

<210> 1641
 <211> 966
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(966)
 <223> n is a, c, g, or t

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<400> 1641
ttnanaaaat ctggagctcc accgcggtg gcggccgctc tagaactagt ggatcccccg      60
ggctgcaggg ccgggttgag aggagcgtgg ctttctctc tccccgcat ggcgtgtgct      120
cgtccactga tatcagngta ctccgaaaag ggggagtcct ctggcaaaaa ngtcactttg      180
cctgctgtgt tcaaggctcc cattcgaccc gatattgtta antttgttca cnccancttg      240
cgcaaaaanca ncanacagcc ctatgctgtg agtgaattan cagggnatca anccagngct      300
gagtcttggg gtnccggtcan agctgnggct cgaattccca gggttcgagg tggcgganct      360
cacggttccg gncagggcnc ttttgaaacc ntgtgtcnng gggcccgann gtttgcccca      420
nntaaaacnt gncaacgttg gccccngnaa agngaattca acccaaaacc natnccntt      480
nngttttgca ntgnttgctt aaaccttacn agggntggtn atgtttaaag gnnatcntat      540
aaaggaagtt cctgaacttc ctttgggggg ggaaaaanaa gtngaaggtt acaaaaaaac      600
caaggagagt tggtttnntt ttnaaaaaac ttaaggcctg gaatgaattt caaaaagggt      660
ntntnccntt taagnaatga aacctggcna aggcaaaaaa naaaaaccgg nccccgtntc      720
cagcccangg ggacccttgg ttttttttta agngggggcca anggnTTTTT tcaaggcctt      780
tnaaaaaaat ccccgggaaa nacccttggg tnaangggaa cccaaccttn aacanttttg      840
naaacttttt ccctggggg ggnaccnngg gaaacntttt ttgcattttg gaactgnaaa      900
aggctttttt ccaaaagttt naaaaaaanc tnttttgggn ccnttggggg aaaaaaccnc      960
ccnccn

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<210> 1642
<211> 948
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(948)
<223> n is a, c, g, or t

<400> 1642
naaaagctgg agctccccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc      60
aggaattcga tatcaagctn atngataccg nctacctngn gggnnngccn gggncccant      120
ttaccctata gtgagtctga ttanagaggn ccctcccaa acccttggtg aaacagccaa      180
ngaagccaag gagaangccn angagacggc actggcagct acagagaang ccaaggacct      240
tgccagcaag gcanccacca anaagcagca gcagcagcag cagttcgtgt agccagccca      300
ggccctgaag cancagccta acanactacc anctccaggc cctgtgcccc ctctcttgt      360
actttattat taaaagccag cttctagccc tctcgactgt ctgggtggtg ggctgaggg      420
aggtgccttg tttgcatctc cagcatagcc agctggttac ccatactga gccggcttcc      480
ttaccctgc atcgggtggc tgangacaga agcacagtga cttgccacg gtcaccgnat      540
ccangtgaag tggatcatgaa tgctanactg taagctccat gaaggcang accgntgttt      600
atccttctga tgtgtccca agtatnttga aacaaaattt gcgtgtaaca ngcacttcaa      660
taaatacttt gttgaattca atcggacccc agaanaaaaa aaaaannntn tnnnaantnt      720
ngnggggggg ggcccgcccc caanttncc cttnttggg gggggnnnnt taaaannnn      780
nnnttnntt nnnnnngnnn gnnnnnnaaa annnantnna nnnccccn tnnnnngnn      840
tnttaanann nnnnttnaa nnnnnntttt nnnnnnttnn nnnaaaann nnnnnccn      900
nnnnnnnnnn naaannnnnn nnnnnntnnn nnnnnnnnnn nnnntn      948

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<210> 1643
<211> 977
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(977)
<223> n is a, c, g, or t

<400> 1643
tnnnnaaaa gctggagctc caccgcggtt ggcgccgct ctagaactag tggatcccc      60

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gggctgcagg aattcggcac gagggctcag cctgtccatc gaggggtccca gcaaagtaga 120
catcaacaca gaggacctgg aggatggcac atgcagggtc acctactgcc ccacggagcc 180
tggcaactat atcatcaaca tcaagtttgc tgaccagcac gtgcctggca gccccttctc 240
cgtgaaggtg acaggcgagg ggcgtgtgaa agagagcatc acgcgcaggc gacgggcccc 300
atcgggtggct aatgtttggca gtcactgtga cctcagcctc aagatcccag aaattagcat 360
ccaggacatg acagcccagg tgactagccc atcaggcaag agccacgagg ccgagattgt 420
ggaaggggag aaccatacct attgcatccg ctttgtgcc gctgagatgg gcatgcacac 480
ggtcagcgtc aagtacaagg gccagcacgt gcccgggagc cttttccagt tcaccgtggg 540
gcccctgggg gaagggggag ccacaaagg ccgtgccggg ggccctggcc tggaaagggc 600
tgaagctgga gtgccaaccg aattcaacat ttggaccng gaagcttgcc ncggggggcc 660
tggccattgt tgtcgagggc cccaaccaag ggcgaaaatt tccttcaagg accggaagga 720
tgggttcctt gnggcgtggg ntttacngg nccanggagc caggngaact tttgaggggn 780
cnntcaagtt tnaanngggg gggcccatnc ccccnnaan nccccntttt cggggggccc 840
ngggggggtt ttcccgtgg gggacncccc cccccctta ctgggtttta aggnnttttag 900
ggagnnangg ggnttaaagg ggnaancccc ccccccccn tttttttgaa nccanccccg 960
naatnggggg cccaang 977

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<210> 1644
<211> 921
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(921)
<223> n is a, c, g, or t

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<400> 1644
tnnnnaaaac tggagctccc cgcggtggcg gccgctctag aactagtgga tccccgggc 60
tgcaggaatt cggcacgagg gngttgctg ctnccttgcc tgtgcgccgc angcgccgn 120
nggctttatt nccacntag ananaccgaa nancgctgnt tcatcgaaga aatccccgac 180
nagaccatgg tcatcgggaa ctaccgnacn canntgtggg annancagan ggaggnnttn 240
ctgccttcga ccncgnnct gnnatgcac gngnaggatga angacnntga aggcaangtg 300
gtgctntcnc ggcagnacgg atcagagggc cgtttnacct tnncttccca cactcctgga 360
gaccatcaga ttngcctgca ctccaactct accaggatgg ctntctttgc tggcaggcag 420

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actgcttgta cacctagaca tccaggttgg ggagcatacc aacaactacc ctgagattgc	480
tngccaagga taagacttga cgngagctac agctccgagc ccgccagctg cttgatcagg	540
tggacanatc cagcaaggag cttggattac caaaggtatc gtnaagagcg cttccgtctg	600
atnagtggac annaccaccc anaggggttct gnggtggncc atngctcaaa ctggttatcct	660
tatccttcac tggnatcatg gccnatccn ancttaagaa cttcttttta agnccaaaag	720
ctggtgnaaa tggcctcacc aacngaaac ctttctggtg ancctaaagn aattnggtac	780
ctttcccca cncaatatch ttatcccncc tggaattttt gagggaaaaa aaaaantgaa	840
aaaaanaat nttttcccc ntttggttnc cttnggnnnc caangnattt nnaatncnn	900
ccccnttttt naaaacttgg t	921

<210> 1645
 <211> 1000
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1000)
 <223> n is a, c, g, or t

<400> 1645	
aaaactggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca	60
ggctttgctc cagtcaatgt aacaactgaa gtgaagtctg tagaaatgca ccatgaagca	120
ttgagtgaag cccttcctgg ggacaatgtg ggctttaatg tcaaaaacgt gtctgtcaaa	180
gatgtccgtc gtggcaatgt ggctggtgac agcaaaaatg atccacccat ggaagctgct	240
ggcttcacag ctgaggtgat tattttgaac catccaggcc aaatcagtgc tggatatgca	300
cctgtgctgg attgtcacac agctcacatt gcttgcaagt ttgctgagct gaaggagaag	360
attgatcgtc gttctgggaa aaagctggaa gatggcccta aattcttgaa atctggtgac	420
gctgccatcg ttgatatggt tcctggcaag cccatgtgtg tcgagagctt ctctgattat	480
cctcccctgg gccgttttgc tgtgcgtgac atgagacaga cagtcgctgt ggggtgtcatc	540
aaagcagtgg acaagaaggc agctggagct ggcaaggcca ccaagtctgc ccagaaagct	600
cagaaggcta aatgaatatt atccccaata cctgccaccc cagtcttaat cagtgggtgga	660
aagaacggtc tcaaaaactgt ttgtctcaat tggccattta agtttaataa gtaaaagact	720
ggttaatgat aacaatgcat cgtaaaacct tcaanaagga aanggagaat ggtttttgtg	780

ggaccatatg ttttgtgggg tggcaanttt aaagttatta gtttttttnaa aatcaagtac	840
cttttttaat gaaaaaccaa cctggcccaa aaaatctggn cacagaaatt tggagaccn	900
tttaaaaaaa ggtttaatga nnaaaaaaaa aaaaaaaaaa cttcgngggg gggcccggnc	960
ccnatttgcc ctttnntggn gnnnnnnnnn ttntnannnc	1000

<210> 1646
 <211> 981
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, c, g, or t

<400> 1646	
caaanctgga ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca	60
ggtgctagtt tgaaagtggc tgcagccatt gctggctatg tgttttagaga caaggtgaga	120
tcagaattta ataaggactt ccggcagcag atgaagaatt atccaaaaga caaccagacg	180
gcatcgatcc tggataagat gcagaaagat tttgagtgtc gcggggcggc taactacaca	240
gactgggaga agatcctggc cgtgaccaat aaagtccttg actcctgctg cgtcaatatc	300
actcataact gtgggattaa tttcgttgtg aaggacatcc atactgaggg ctgtgtggag	360
aagattgcgg cctggctgag gaagaatgtg ctggtggtgg ctgcggcagc cctaggcatt	420
gcctttgtgg agatcctggg tattgtctta gcatgctgcc ttgtgaagag catccgaagt	480
ggctatgagg tgatgtaggg ggtctgtctc ttcagccccc tcatccaggg gagtggggta	540
atatactcca ggtttttcaa ttaaacggat tattttttca gaccccaaaa aaaaaaaaaa	600
aaaaaacct gggggggggg ncccgncccc nttcncnt ttangggngg nttnanncn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960
nnnnnnnnnn nnnnnnnnnn c	981

<210> 1647
 <211> 1000
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1000)
 <223> n is a, c, g, or t

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<400> 1647
naaaatctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggggaattc ggcacgaggt aaacgaatac attaacggtg ctaaacacag aacatttttaa    120
accccgaggtc ccggacattt cttaaagctgg taaccttcaa gccttcttca cgggccttct    180
tgnttaccn tgaatgggcc cgnttttctt ttgncggggg nnccttcnnc cattggcttg      240
gnggnacatg ggnggaacan ttgatctgnt nnanntctggc ttnaanacnc nntggntttt    300
tanaatttnt nntttnttgg tnaaaannna tnntnccna nnaaanntt nggntaantt    360
tannttnagg nattggcnng cnggggggca tnccttanng gncngnana ngncnaaggg      420
aaataacnng cacctnangg tggcnangat ncntctaagg cnaaangaac aatggtggga      480
ganaccngcc naatccacca cccccnaact ggagataacn aatcttatgg tcacngggcn      540
gtgacngaca caaangagaa ctgagaggtg tgggtctgan aagnncanat aactcttcta      600
cactattacn ccanattctt ttcacatatt cccctctct cacttttgcn gaagcgcant      660
ttnttttttt gcnctntntn nchaatnttg ctcnnaacnn ttttcaanag acanntnngc      720
cacnccccnt ctctgggnat cccccncac cctctgtnga gngggntaa ccatgtgctg      780
cggggggtgg tcccctccta aantactctt ttttgaagat gcagcgacan nggnggcttg      840
tttttncccc caaaanaacc ncanttctnn aagccgaggg gcccacacgt nggggnanaa      900
aaacaaaaaa anggcggggg gggnggaaat gggggtttct ntttgggggg gttccngggg      960
nccttttttt caacancntg ganggngngn ncncaccnn                                1000
  
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<210> 1648
 <211> 950
 <212> DNA
 <213> Bovine

 <220>
 <221> misc_feature
 <222> (1)..(950)
 <223> n is a, c, g, or t

 <400> 1648
 aaaactggag ctccaccgcg ggggcggccg ctctagaact agtggatccc ccgggctgca 60
 ggantnnnnc acngggccnc agtgtggnac ctatggnatn tacnntcgan tcaagaanna 120
 cgtngactgt ananngaana caatgcatga gtatnnngcn ccnaggntnc actaaccatn 180
 canggnccac canntctctt aagggtggn acccntntng actttctctt nctnacaata 240
 gttccattat ttcaccatga ctgaggacag gacacggnag tganantgag ctagngccan 300
 gacttgnttg ncnggacact gnntnggagg tacgntnctg ntctgtggc tgnnnnngtn 360
 ntncannann nggggnctan ctacatgggg gcctctaccn cgannccntn ctnggactt 420
 ganngtacan ggnanacct ctctttntct attcatgggg tgggggggtcc tctntctgan 480
 ataaccatt cctgtcacca nttattgact gatnaaantn gctgngangg cattctcttg 540
 atgccttggn ggcaccccc tnnacctgtn tnaannggac cacatggccn tttgntatgn 600
 actcggaatn aagcntgnnt ataaccttta ataaaatctt tttaaaacac gggggggggg 660
 ccngccccc ntggggggcc nntggggggc ccnatncccc ctatgggggn gnngnnnanc 720
 annnnnncnn nnnnnnnnnn nncnntncnn nnnncnnnnn gnnnnnnncnn nnnnnnnnnn 780
 cnnnnnnncn nnnnnnnncn nnnnnncccc nnnntncnnn tnnnnccnnn nnnntnnnnn 840
 nnnncnnnnn nnnnnnnntn nantntntnn tnnngnnntnt cncnnnnncn ncnnnnnncc 900
 cnnnnncnc tancnnntn nnnncnact nnnnnnnncn nnnntnccc 950

<210> 1649
 <211> 950
 <212> DNA
 <213> Bovine

 <220>
 <221> misc_feature
 <222> (1)..(950)
 <223> n is a, c, g, or t

 <400> 1649
 aaaactggag ctccaccgcg ggggcggccg ctctagaact agtggatccc ccgggctgca 60

ggantnnnnc acngggccnc agtgtggnac ctatggnatn tacnntcgan tcaagaanna 120
 cgtngactgt ananngaana caatgcatga gtatnnngcn ccnaggntnc actaaccatn 180
 canggnccac cannctctct aagggctggn acccntntng actttctctt nctnacaata 240
 gttccattat ttcacatga ctgaggacag gacacggnag tganantgag ctagngccan 300
 gacttgnttg ncnggacact gnntnggagg tacgntnctg ntntctgtggc tgnnnnngtn 360
 ntncannann nggggnctan ctacatgggg gcctctaccn cgannccntn ctninggactt 420
 ganngtacan ggnanaccnt ctctttntct attcatgggg tgggggggtcc tctntctgan 480
 ataaccatt cctgtcacca nttattgact gatnaaantn gctgngangg cattctcttg 540
 atgccttggn ggcaccccc tnnacctgtn tnaannggac cacatggccn tttgntatgn 600
 actcggaatn aagcntgnnt ataaccttta ataaaatctt tttaaaacac gggggggggg 660
 cccngccccc ntggggggccc nntggggggcc ccnatnnccc ctatgggggn gnngnnnanc 720
 annnnnnnnn nnnnnnnnnn nncnntncnn nnnncnnnnn gnnnnnnnnn nnnnnnnnnn 780
 cnnnnnnnnn nnnnnnnnnn nnnnnncccc nnnntncnnn tnnnnccnnn nnnntnnnnn 840
 nnnncnnnnn nnnnnnnntn nantnntnnn tnnngnnntn cncnnnnnnn ncnnnnnncc 900
 cnnnnncnc tancnnntn nnnncnact nnnnnnnnnn nnnntnccc 950

<210> 1650
 <211> 993
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(993)
 <223> n is a, c, g, or t

<400> 1650
 ttnnnnaaan nctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga attcggcacg aggcctgaag actctggtgg ctaaggggct tcatcccagc 120
 tgagaagcga agagccgcag gcggccgccg acttcacagc cgctcgggggt ttttagagct 180
 tcagctataa aaatgggcag gattttcctt gatcatatcg gtggtncctg tctgttttcc 240
 tgtgcaaact gtgatncgan cntgnccanc cgttcaaaan tcatcthtac tcggttcaca 300
 ggcgccantg gcanagcntt tntttttanc aagggnagta ncctncngtn tagngaagtt 360
 nagaatcggg nnnntnctcan tggccgccac ntgggtcnnn angtgagctg caaaacnngc 420
 attancaanc tgggatggat ntataagttt gccantgana acngccagng ttataaggaa 480

ggnccgngnna tcntggaccg cccctttttan tncanaaaaa gnnaggggctt ttgagggganc 540
 atgtncnntc tgatacctnt ggaaaaaaaa aaanaaaaaat ccntnttttc ccaggtctcc 600
 tttcactgaa aaacaaaaan ttactttaca tacccttgct cccttaacat tnaaagtcgg 660
 atttcntgaa cctgggggnaa caaaaanttt ggggaaaaat ttttgaaggg anccttcct 720
 tttntttccc tttttttttt ttnaaaattn nnatttttcc ccccccaac accggggggg 780
 ggaaaanaaa aatttttccc caaagncccc gttttttttt ttttttttc cccccggngg 840
 gtncaccnng nggggggggn aaaaaanttt tttttcccc ccccnctgg ggggggnttt 900
 tgggngagna aaaaaaatt nggggggttt tttaaaagg ggggaaannt ttttttttnn 960
 aaaatttnnn anagaggaaa ggggggncna aan 993

<210> 1651
 <211> 956
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(956)
 <223> n is a, c, g, or t

<400> 1651
 aaaagctgga gctccccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 60
 ggaattcggc acgaggcnag nctnttttnc cnntnncntn ggnngnctga angcttggan 120
 cccctccnt nggaanaaga ngcntaaaac tcnganancg nccgntacat gccattntg 180
 aggnacaccc nccgaaanna antgggtcca accantcca agcttgccna attcggngnc 240
 acgnaacatg ntaggaangc cttttttgcc nnaccgncg atgnaaancg agcntcacnt 300
 ttgtggnaga nccnanttca nanaaaanaa ggagggnttt caacnacaga ttttattagn 360
 atacnacatn gatactatan ntcncccatg gnacaaatcc atgattnaga ggatnntaag 420
 ancgaggcan ncaggngnt ttatttacan gaaacattnn ngcctttacc gaatnnatct 480
 ccngatgcnt nctttttcaa tgctgtgcac tcgnggaaca aaaataaaat cccctgattg 540
 ccaggnttg acccnatnaa tgggaacgca cttntntnc tnaccacag accaattntt 600
 aagttccncc ncctttttat gtgttgattt gcccaagncc gccttatgan ctttttcttg 660
 anacaaatng naancgggac ctaacataac cncnccttgn ttccccggga cccttncaaa 720
 aatttaagcc ttgaaccgtt ttntcggcn acccgngggg gcttgcccta ncccccnct 780

ngaaaaaaa nggggaattt tttaaaaaa ttttntccn aaagngggg gccctttaa	840
ccccaggtng ttnttaaaaa ccnccaant ttctgnaaa agnggaaagg gttncnttn	900
ggccttaaaa aaancccntt ttaaaaaatt ttnttnggga aaaaaaggaa attggt	956

<210> 1652
 <211> 960
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(960)
 <223> n is a, c, g, or t

<400> 1652	
naaaagctgg agtccaccg cgggtggcggc cgctctagaa ctagtggatc cccgggctg	60
caggcaacaa cctcttgaag tgaccgttcc tgccccaggc ttccaacaca gccatgtctc	120
tcctcctgct ggtggtctct gccctccaca tcctcattct catcctgctt ttcgtggcca	180
ctttggacaa gtctggtgg actctccccg gcaaggagtc cctgaatctc tggtagact	240
gcacatggaa tagtgacaac aaaacgtggg cctgcagtaa cgtcagtga aacggctggc	300
tgaaggcagt acaagtctc atggtgcttt ccctcactc ctgctgtctg tccttcatcc	360
tgttcatgtt ccagctctac accatgcggc gaggagggt attctatgcc actggcttct	420
gccagctttg caccagcgtg gcggtgttta ccggggcgct gatctacgcc attcatgccg	480
aanagattct ggcggaccgc ccgtcggggg gcagctttgg ttactgcttc gccctggcct	540
gggtggcctt tcccctcgcc ctggccagcg gcatcatcta catncacttg cggaanccgg	600
agtgaaggct tgcncctncc cttggttncc caancgantt cccgggccct tcattntaac	660
ccgcaagccc ccanccttct ttcnttttta ttttaacaa aaaaataaaa ctggttaanc	720
cgccgaaaa aaaaaaaaaa aaaaacttgn nggggggggc ccggancca aattnnccct	780
ttaannnnng gggggnnnnn nnnnnaaaan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960

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<210> 1653
<211> 997
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(997)
<223> n is a, c, g, or t

<400> 1653
tttganncna tctggagctc cancnngtg gcggccgctc tagaactagt ggatcccccg      60
ggctgcagga attnnncacg aggatnntnn ntnnctgann nantgttcaa gnacngcnct      120
gggnannntt antnntggng ngctctncnc tgnngannct tantatnaaa ntgnntntnn      180
nnntcactta nnacaagatc tgntgcannc ncncagtgt nannccntc nnacngngnt      240
nctantgncc atggaatnnn gntatggtga cgnggaccna nacnaccntt nntganatnc      300
tntgtnttan annncngat ttgnttnga nagtgannca tcatantctt ngggntgccc      360
ntgatcntna tcangntgna gtatntanac cntgcactga ngngggctat acatatanga      420
cgtgtctttt gccatgtttg cnccacncan ggtatagtgt tantnggatc taatnatcta      480
agccganttn tgongaagac tgtcttgnat tancctnnt cttnttgnaa gaatttgnnt      540
anctgattcg ancttgggnt agttgggcnt ttttcccttt ngcnttgggg aagctttatn      600
aatnatangt nccactttgn gactatctgn cagntttang gncttgttcc nttgccaatt      660
gttttagcnn tttncnccc ncccccccc cccccccct tntttttana agntgcngta      720
nttttttctt nntttttcnt tttttttacn anaatnaant tttttttttt ttttancccn      780
gnnttnnttt ntttttnnnc aataaatttt nnnngggggg tnccttnnttt tncggaactt      840
ttcnaanant tnanaattgn nattntntc cnnnctnatn ntnatttcca nnctncaacc      900
nttattanaa aattatnttt tcnaaanag gttcnccttn nnnacannnt tnntannatt      960
ttcnttttgt nnagnttctt ttnnaaaaac atttttc      997

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<210> 1654
 <211> 1013
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1013)
 <223> n is a, c, g, or t

<400> 1654
 gcctatntgg agntgnatnn cagtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggtgctga cggacctgtg gagctcctgg cactcctgga cctcaaggta ttgctggaca 120
 gcgtggtgtg gtcggcctgc ctggtcagag aggagaaaga ggcttcctg gtcttcctgg 180
 cccctctggt gaaccggca aacaagggtcc ttctggagca agtgggtgaac gtggccccc 240
 tgggtcccatg ggccccctg gattggctgg accccctggc gagtctggac gtgagggagc 300
 tcctggtgct gaaggatccc ctggacgaga tggttctcct ggcgccaagg gtgaccgtgg 360
 tgagaccggc cctgctggac ctctggtgc tcctggcgct cccggtgccc ccggccctgt 420
 cggacctgcc ggcaagagcg gtgatcgtgg tgagaccggt cctgctggtc ctgctggtcc 480
 cattggcccc gttggtgccc gtggccccgc tggaccccaa ggccccctg gtgacaaggg 540
 tgagacaggc gaacagggcg acagaggcat taagggtcac cgtggcttct ctggtctcca 600
 ggggtcccc ggccctcccg gctctcctgg tgagcaaggc cttccggag cctctgtcct 660
 gctggtcccc gcggtcccc ttgcttctgc tggtttctcc cgggcaaaag aatggactca 720
 ntgggtcttc ccaggcccca tcggtcccc tgggcccttn aagggtccaa ctgngaatg 780
 cttggtcctt gcttggctct tcccgnccc tcntggacc cccttgntnc cccaagggtcc 840
 ttccaagcgg gcgggnttnc naatttganc ttctgnccc annccacctt aaanaaaaag 900
 gctcaccnaa tgggtggccc ttntanccg ggcttnttaa tnccaatggt ggtccttnaa 960
 cnnnaccntc aagtgnngan anccnccct taaaaacctn anccnannta ant 1013

<210> 1655
 <211> 1023
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1023)
 <223> n is a, c, g, or t

```

<400> 1655
ncannatctg gagctccacc gcggtggcgg ccgctctaga actagtggga tccccgggc      60
tgcaggcacc catcaacccc caagctgaag ttctatttaa actattccct gaacactatt    120
aatatagttc cataaataca aagagcctta tcagtattaa atttatcaaa aatcccaata    180
actcaacaca gaatttgcac cctaaccaaa tattacaaac accactagct aacataacac    240
gccatacac agaccacaga atgaattacc tacgcagggg gtaatgtaca taacattaat    300
gtaataaaga cataatatgt atatagnaca ttaaattata tgcccatgc atataagcaa    360
gtacatgacc tctatagcag nacataatac atataattat tgactgnaca tagtacatta    420
tgtcaaattc attcntgata gtatatctat tatatatcc ntaccatnag atnacnanct    480
taacnangnn gcnggganac accaccnct tggtagggan gccttttttt ntnccngcc     540
cataaaacgg gggggggggg gtttttangg aatttnncnc gnetttnggn ttttttttna    600
nggccttttt tttaaaaagg ggccttnttt ttnnttttaa aaaaaaaaaat ntcgaangna    660
cnnaatgggg taataaancc cctnngnccn ccnaaaaaag gnggggnggg gnnaaanntt    720
ngggattttt ttttattttg ggggganggg gtgggncctc anttttgggc ccgnnaaaag    780
gccttanccc cnggaaatnt atttnggggg ggggntatta aanggnnttt tggggccccc    840
cccttntggn aanagnngng gcntttccng nnnntngggg gccaggnntn ttattttttt    900
ttttttttnc cccnttttna aaaaantttc cccttatnat tcnncccnnc cnttttttna    960
anaantttnc cnaaaaaant natttnaaaa ttttccnnn nntnnaaanc ctttnaaacc   1020
ccn                                                                    1023
  
```

<210> 1656
 <211> 1048
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1048)
 <223> n is a, c, g, or t

```

<400> 1656
nnnnatctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc cccggggctg      60
cagggnatnt cctcccnngg cccacaggca cnncnctat ccggnacct naggnnnncnc      120
cnnngccttc cntggncctt gagcnnggna taachtattt atgatggnan accgggcacn      180
cttggaatg gncaaaangg ntngctncn nnnttggggc tngnngncgg cttanntgaa      240
nnnnagatnt ngngncctnt ngggaccttg gaaangggac gncccttnt cnatgnnga      300
anttanaact cctgaacccc tggangncn gctannaga agccccctca accngaaanc      360
cctgcccttt tnnnctttt ccagcnanan gtnggnccc gagggcccnt ctttctaata      420
cgacnttcca gnnnnncnt tctattttta aaatttttc annttntacn nccgctnntn      480
nnntaagaca gcacncacnt tgtctangnn taaacntcna accntttacn attctcataa      540
tntcaagcnc tagantttga taggggnnac aaaaaccct cgggttnnta agatgccttc      600
agnnggatnt caggnggttn ccttctagtg cnnggnnaan ggngngccc actttcattt      660
ncctggggcc cntgtttcgg anaantttct gggaggmntg cctnttgcaa aaggngattt      720
cncccccnc cgcccttct tgnntnnna acaacaang nccccggctt nnagtcccc      780
nnganggggg ggtcccnnc gntnncgnc ntatnncca ngancctcg ccaccatngt      840
nggtnncaan aannntgggg gnnttttgaa attntccgg ncgagntccc ntggaannnn      900
tctnnngana aaaatgttcc tctcccccn ccngtnnnt nntatgggnc gcnnacttgg      960
tggncccccc cnccttntnt ncngcanncg ccgcnccttt nttttttgga nggantggnn     1020
natttttnna agnttaann ngcccccc                                     1048
  
```

<210> 1657
 <211> 1711
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1711)
 <223> n is a, c, g, or t

<400> 1657
 ganacccgan anttanacnn ttntctnnan tannnnntttt ttnttatntn nntttntncn 60
 nnnntnnnnn gacgncncn nncnannact ncnangacnt nnagtanaga ngagtgcctnc 120
 gcacgnngnt cttnggnngg anncgngggg cnnagactag gcctncctc gntttnggng 180
 ncnnnntntg gcagntcgca tnacnagtgg gcggcncnt cctataatna gtgccgttcc 240
 cccttttttn cncaantgg tattancatn tatttttann ccncannaaa nctctntnta 300
 cgncctngg ggacttnatt aancttgntc nntttatcan tngctntccc ncngtccctca 360
 nccnctatn tncnctatcg tcntcncctc ttntctntt ntnaactnac ncnacactac 420
 caannctnca anatanntnc ctcatnatgn ancnnnctnn nnnctagnnt cnttntnnat 480
 ttantcatt tattcnnta tnattannnc ngagtnnttn ggtntcttat catgtntant 540
 ttannctnca catangnctn nnttgtnatn ncnantnct ntagnacagac cccatntct 600
 cnatnctntn ttnatatnac nntcctcgac ntttnanacn cnacagtcan nttnannnnc 660
 ntgnncgga ctaccanncn caataatana tnanantcac tgcctntcnn annncncga 720
 anggttgacn nntnccctgt tncnctga nncncncccc cgtcatantc ttngattg 780
 ccnnancagn anccccnag nnnactnann nnngaatan ctnnttatc tctnncaatn 840
 ctttctcacc acantntnt ttatnanatn antgaccgac agtncctga ttnttctng 900
 actccctctt ttnacncna ccaacantcc nctgatacc ncnatagtcc ctctnatnct 960
 nttatnnnnc actaccntn nncctncctc nannntatct ncnttanncc nngtctatna 1020
 taagttcttt cntncngta ttctctcnc nnttccccac cctcnanca cacnctantc 1080
 ntnttctccc tantngntn atttagancn nnnnnttat tntccaagt antgtntntc 1140
 ttangtnncn ancttntatn cngtcgtatn ccaactgacca ancctctgta ntanactcac 1200
 gtatcctntn atcnntaat tatagncttc tngcnctagt ngnatngntt ttagnatcaa 1260
 ctgcnccccc tncgatntt tctctatta tntctngta ntntgancn naacaccacn 1320
 ncnntcanc ctcancgan gtgagncnnc catcgatnan tacactccgt atctntntt 1380

tntctctnt gtncccnct nctctntct acnntcgccn tacngtgtnn atctanatcg	1440
ctctcgatc nnacctctnn tntncnccgt atnnngnnnt cactctnatn ntcnatncac	1500
acgtngntnt actaaanctn annnnttaat nctcattag gtccctncct atnctcacct	1560
nctncttatg gcttgtnctn anaaacgcgt ncccaacct ataggatct nactctattg	1620
tgttncctc atatcatnna nttntnacn taggttagtn tcntatagna cgannatttt	1680
ngcnanaagc nttanttncg gnnntatnnc g	1711

<210> 1658
 <211> 1711
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1711)
 <223> n is a, c, g, or t

<400> 1658	
ganaccgan anttanacnn ttntctnnan tannnnnttt tttntatntn nnnttntncn	60
nnntnnnnnn gacgncncn nncnannact ncnangacnt nnagtanaga ngagtgcctnc	120
gcacgnngnt cttngnnng anncgngggc ctnagactag gctnccntc gntttnggng	180
ncnnntntg gcagntcgca tnacnagtgg gcggccnct cctataatna gtgccgttcc	240
cccttttttn cncnaantgg tattancatn ttttttann ccncannaaa nctctntnta	300
cgncctnngg ggacttnatt aancttgntc ntttatcan tngctntccc ncngtctca	360
ncnctatn tncctatcg tctnctctt tttntctnt ntnaactnac ncnacactac	420
caannctnca anatantnnc ctcatnatgn ancnncctnn nnctagnnt cnttntnnat	480
tttntcatt tattcnnta tnattannnc ngagtnnttn ggtntcttat catgtntant	540
ttannctnca catangnctn nnttgtnatn ncncantnct ntagncagac cccatntct	600
cnatnctntn ttnatatnac nntctcgac ntttnanacn cnacagtcan nttnannnnc	660
ntgncncgga ctaccanncn caataatana tnanantcac tgctntcnn annncncga	720
anggttgacn nntnctcgt tncncnctga nncncnccc cgtcatanct ttnangattg	780
ccnnancagn anccccnag nnnactnann nnngaatan ctnnttattc tctnncaatn	840
ctttctcacc acantntnt ttatnanatn antgaccgac agtnccctga ttnttctng	900
actccctctt ttnacncna ccaacantcc nctgatacc ncnatagtcc ctctnatnct	960
nttatnnnnc actaccntn nncctnctc nannntatct ncnttanncc nngtctatna	1020

taagttcttt cntncnngta ttctctctnc nnttccccac cctncancca cacnctanct	1080
ntncttccc tantnngntn atttagancn nnnngnttat tntccaagt antgtntntc	1140
ttangtnncn ancttntatn cngtcgtatn ccactgacca ancctctgta ntanactcac	1200
gtatcctntn atcnentaat tatagncttc tngcnctagt ngnatngtnt ttagnatcaa	1260
ctgcnncccc tncngatntt tcctctatta tntctngta ntntgancn naacaccacn	1320
ncnntcantic ctancngan gtgagncnc catcgatnan tacactccgt atctcntnt	1380
tntctctnt gtnccccnct nctctntct acnntcgccn tacngtgtnn atctanatcg	1440
ctctcgtatc nnacctctnn tntncnccgt atnnngnnnt cactctnatn ntnatncac	1500
acgtngntnt actaaanctn annnttaat nctcattag gtcctncnct atnctcacct	1560
nctncttatg gcttgtnctn anaaacgctg nccaacct atattgatct nactctattg	1620
tgttctctc atatcatnna nttnnacnc taggtagnn tcntatagna cgannatttt	1680
ngcnanaagc nttantnccg gnnntatnnc g	1711

<210> 1659
 <211> 976
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(976)
 <223> n is a, c, g, or t

<400> 1659	
ttnnaaaaan ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg	60
gctgcaggga gttctggagc cagtatcgga tcaatgtgac tgaagtgaac ccctggggg	120
ccagcaccgc cctgctggat gtgagcttgc anagcatntt gcgccctgac ccgcccagg	180
gcctgcgggt agagtcagtg cctggntatc ctgcgcgcct gcgtgctagc tggacntacc	240
ntgcntctg gccccgccag ccccanttct tgntnaagtt ccgtntgcag taccgtccag	300
canagnatcc agcctggtnt acggtgnanc cagntgnatn gaaggaggta atnaccgatn	360
ctgtggntgg cntgcccna tannngcggg tnaccgcccga gaactttntg natgctggca	420
cctgaanntc ntgaagcccc aaggcctggg ggantccaag cactganccc ttaccaaagg	480
aatgccant tggggaccag cccccccnc cagacggagg aanaacctn ggcanacagc	540
ccccgtttcc ccnaagccg tncnttttta cccaaacca nagccanttt gaccanaaaa	600

aaccccctgg aacaagnggc cgcacctggc antttttggn aaattttntt tttcttggn	660
ctgggggctt ggggcccttg gcattngggg ctttggnata nggttgaaac caaatgaaaa	720
ngggtggggc ccnaaaaaat ttnggntttt tggnccccaa aagattttta ggggaaaaac	780
ntttcaagga anccccaacc ctntnaaagg acccttgngg ggccttttan tttntttcc	840
ncccaaaagg tggggggggg gngggngggg caaaaaanna aaacccccgg ggggnaaaa	900
naaaatnccc cctngggggg ggggggtttt aaaaatgna aaantttttt ttggganccc	960
ccnttttttt ttnnaa	976

<210> 1660

<211> 941

<212> DNA

<213> Bovine

<220>

<221> misc_feature

<222> (1)..(941)

<223> n is a, c, g, or t

<400> 1660

tnnnncaaan ctggagctcc accgcggtgg cggccgctct agaactagt gatcccccg	60
gctgcaggaa ttcggcacga ggcaggacac aggtgtcgtg aaaaccaccg ttaaacctaa	120
gccaaaatgg gaaaggagaa gaccacatc aacatcggtg tcattgggca cgtagattca	180
gggaagtcta ccacgactgg ccatctgatn tacnaatgtg gcgggatcga caanaganca	240
ntngaaaagt nnganatgga nngtgccgag atgggaaagg gctccttcaa atatgcctgg	300
gtcttggaca aacttaaagc tgaacgtgag cgtgggtatca ccattgatat ctccctgtgg	360
aaatttgaga ccagcaagta ctatgttacc atcattgatg cccaggaca cagagacttc	420
atcaaaaaca tgattacagg cacatcccag gctgactgtg ctgtcctgat cgntgctgct	480
gnggttgng aattngaagc cggatatctn angaacgggc agaccctga gcatgccctt	540
ttgncttaca ccctgggtgt gaaacaacta ttngttggcg ttaacaaaat ggattgcact	600
ggcccccttt accntaaca aatactaata atttgtgnan gaagctaacn cctatgttaa	660
gaaaaanggc ntcagcccct acccacaac atcgtgccaa tttntggctt gggaangggg	720
acaacnttgc ttnaancaaa ngctaatttt gccttgngtc aagggatggg aaggncaccc	780
gtaagggccg ggaatgccaa ngggaacccc cctggttgaa acttttggaa tggntttttg	840
gcccccaant ttggccaaan tgaaaaaac ctttcntttg gctttttccg gggnggnca	900
aaaaaaangg gggggttttg ggnccctggc cctngggggg c	941

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<210> 1661
<211> 955
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(955)
<223> n is a, c, g, or t

<400> 1661
aaaagctgga gctccaccgc ggtggcgggc gctctagaac tagtggatcc cccgggctgc      60
aggaattcgg caccaggaaa aacaaaacgg acccgggggt acatgcgacc ctgaagtcac      120
tcagtagtca gattgaaacc atgcgcagcc ctgatggctc tagaaagcac cctgcccgga      180
cttgtgatga tttaaagctt tgccattctg caaagaagag cggagagtac tggattgacc      240
ctaaccaggg atctgctgaa gatgcaatca aagtttactg caacatggaa acaggagaaa      300
catgtatttc agcaaatcca tccagtgtac cacgtaaaac ctggtggggc agcaaatctc      360
ctgataataa gcctgtttgg tatggctctg atatgaatcg aggatctcag tttgtttatg      420
gagaccacca gtcacctaatt gcagccatta ctgagatgac cttcttgccg cttttatcga      480
aagaagcctc ccagaacatc acctacatct gtaaaaacag tgtaggatac atggatgatac      540
aagctaagaa cttgaagaaa gctgggggtc tcaaagggtc aaatgactta aaaatcaaag      600
cagangggaa ccgttagatt canatacata gttcttcatg aattcttgct ctaaacgaaa      660
tggnaacgng ggcaanacn tctttgaatn tanaacgcaa atngggcacg cttgnccatc      720
atanatcttg gccctggggg atgttngcag taccananc aanaantttg gcgttgaaat      780
tngggcccan tttgntttgg gttaaagcca agnccgnnat cccttgnca ntgggcccc      840
cccccttac ccttagnggn cccccccct tcccccaana antttttact ggtttgaaac      900
ctgaaccctg gnaacnttt gaaanaangg ggtgganttt ggcctccanc cntn          955

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<210> 1662
<211> 924
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(924)
<223> n is a, c, g, or t

<400> 1662
ttgancncnn ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atccccggg      60

```

ctgcaggaat tccgcacgag gnnccnnncn acnnttnntc natgggggggn ncctnggtca	120
acgcnnnggtt cattntannc nngcatganc ntannancac ccggcnttgg tgaccgcnnn	180
ccccnctnac acgttgaana tcattantat ttctatctca cacangnctc attcgaagct	240
agccctcgcc gagtntgtat tnntcnantc anntnttnat tatannnnnn cttttttnta	300
ntncnaacgn canncnactc ngnttnantt tttanncagn gnactatacc tttnnnnacc	360
acnaaagggtt nataagactc aaccnnanng gngtacctgg ngacnatntc nnnnttnnc	420
agcatngaatt ttatactata atgtttcagt caatataatt ccacttaata attagngaaa	480
atttcatatt atcctaagta ttacagnatt agtccatttt tttcttctcc taaatgagga	540
gtggtttatt tcctcngcgg nttatatcat taactttctt taattcttt ntgngctgng	600
ngnaatatng ataanattac ngacccccta taaaataaat gnaaattaaa aaaaaaaac	660
cccccccc cgggggggnc gggaannnnn ggtncncnt taanntggng nnnnttnnaa	720
nccccngntt nggttnnncc cccnnttngg naannnnccc ccttttngc nnnntngntn	780
nttnncnnnn ggnnccgnaa aaannnnccc nggggggngg gncncaant ngnnnnggnc	840
ccnnttttnn gnccccnnt ttttnaaaaa nannnnccnn ngntnnannn ntttggggcc	900
cccnntttt ggcccnnggg gcct	924

<210> 1663
 <211> 1085
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1085)
 <223> n is a, c, g, or t

<400> 1663	
gcctatanng agntgnatnn cagnggcggc cgntctagaa ctagtggatc ccccgggctg	60
naggaattcg atatcangct tatcgatacc gacgacctcg agggggggcc cggaacnnan	120
ttnnccctat ngtgagtcnn attncaagaa taaacggatc ttgaataaaa aaaaaaaaaa	180
aaaaccnggg ggggganccg nccccnatt tcccctnna ggngntttan taaaaaggac	240
tgtnactgtg nnntcagtga acgnnngctn anantcance nctnacnct cctgtaccac	300
angngntatt naactngggg ntnttattaa gactttntg annacactnn tnntntttn	360
tttgnaantc tntccntgc agtgntgtca aatatnnncn gnnnaatttc tctaaannnn	420
anacnctnc tnntttataa cctanttncn nccanngncn annttttnan ccnannngnn	480

nnaatgtaan ttacnannct tngataaacc cgtnatnnan tanacnntna ccaaancnctgn	540
natngangtg nctaaaaaan atnatnncnn nnaaangttt agttatttaa nttnantnng	600
ncncnnattn tttnttnna tnnatntna ccccnnggt cgnnantntn tntttnttt	660
ttntctanaat tncaatttcc tantnnnnaa nntnnnnann nacnatntcc ctnananntn	720
caantganct tntgaaaant ntaannann atncantnct cnannancta nannnannta	780
nggaaattna tntngnntgc ntttttatta nttttnnntt nttntnattn ttcnaccnaa	840
atctnatatt nnctttnta annntctann ntttttcatn tttnactcaa ncntatnant	900
cnnacgnaat ncnnctnngn tncantanc atnnttntnn ctantattnt ctncaanann	960
cngcaatcan catctgnana tcctancnng ctgtngtcat ctacatacnn tnnatntnta	1020
nntgncttna nancgtantn caantcanc tttcnnttan ttntnnntnn tatctcatnt	1080
tnact	1085

<210> 1664
 <211> 991
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(991)
 <223> n is a, c, g, or t

<400> 1664	
nnnnactgga gctccancgc nggtggcgcc gctctagaac tagtggatcc cccgggcttg	60
agggcccngg ctggatcagc tgctggggac actctgaccc ctcaatgcgg gccttcctgc	120
tctccctggc tgccctgcgt gacaaccaca cccactccga catccaggtg aaactctttg	180
tggtccctgc ggacnatgcc caggcccgaa tccttatgc ccgcgtnaac cataacaagt	240
acatggtgac tgaacgggcc acctacatcg gaacctncaa ntggtnntggc anctacttca	300
ccgagacggc nggcacctct ctgctggtga caaaaacgg gcggggtggc ctgnggagcc	360
agctggangc cgtgttcctg agggactggg actccntta tagccatgac cttgacgctg	420
ccgngacag cgtgggcaac gcctgtcgnc tgctctgagg cccggtccga tggccaggcc	480
aggcctgcaa ggccctggtg ttccgggtct ccateccctg tccctgtgcc cccgntttt	540
gtctgacctg ttgtgactnc aacaggctcc cncttagcaa ccacccccac cccagccttt	600
catttctacc tccaccccn nttggntga tgcttgtggg cccaagaag acccancga	660

gctgngggaa gggctcaatn cccaaaaana aaagtggggg gtgcatgctt ngccttacct	720
tcctggggcca accccanttt ccagggcaaa gnaaggcccc aggtataaaa taaaaaagtc	780
aaattacttt ggntttnaaa aaaaaaaaaa aaaaaaantn gggggggggg cccccnncc	840
caattttccc ttaaanangg nnnnnnnnna aannnnnnnn nnnnnnnnnn nnnnnnnnt	900
nntnnnnann ntnnnnnnnn nnnnnnnann nnnnnnnnnn annnnnntnn nnnnnnnnt	960
nnnnnnnann nnnnnntnnn nnnnnnnnnn c	991

<210> 1665
 <211> 997
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(997)
 <223> n is a, c, g, or t

<400> 1665	
gccctatctg gagctnnanc ncngtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggaattc ggcacgaggc tggntatacag gaggccctcc tacttctctg ggaactgccg	120
gacgaattaa agtggggnac tggaagtgct ntaaggga aaagancnc gcgtcttcaa	180
attcatttga aganctnaat aacnctttcc atgaagctgg ttgngggggg ngnggcanan	240
tcctactgna ttcccgtana nngggctgnt atgggngcgg ccacttatt anaacanana	300
ggccgctgnc cgaggntnac ttccacncnc cttttcctgg cttgaggcnc ccaaactnct	360
caaanctana cnggctgctt ctnanaattt canggaggcg ggagaagtat aacccccctg	420
gggaagaggg ggccacatga tgtggttcan ctggaagaca cgacaccac atgctctctg	480
ggatnctctg tacagaacgg acnacacttg nntcnacgcc nanngtcaca tntcgactgn	540
gcaactctta nnatnnaagg acccctcggg ccngtggct gttnatatgc nctattttgg	600
aaaaaaaaa caaatttgta ggaaataccn ntttttttn acattntna ancaaccaa	660
cctgagaccc cgggtcaggg ttttttcatt tnaaaatgt gntctgcttn ttatnggggc	720
caaaaagttg aaacagcntt ncccctgttt ttccccatc annaagggnn acaacancca	780
ngttcgnctt tcnttttttt ttttttcccc ccaccactt ggcnaccccc caagcngtng	840
ttgttntaaa ntgttnnccc cccccccccc cccccccccc ccccccccn ttttnaangg	900
tanctctcct ncttccacgc attnnnttnn nnggangcgg nttgnntctt tntccgcann	960
catttttcnn ncnnacact ncatnatan nctnccg	997

<210> 1666
 <211> 1026
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1026)
 <223> n is a, c, g, or t

<400> 1666
 tgagncctn anngnntcgt attacagtgg cggccgctct agaactagtg gatcccccgg 60
 gctgcaggnc nagtnntngt tttntttttt tncagngaa ggnntttttt tgggcccnggg 120
 cntnctnntc cnaaaaaanna atnggntnca tngctncccn aancggnggt cnnccaaaaa 180
 ngcgatgtg cttnngaagg gnaacttnt nntanaaaaa ccccnngng gtnggnaggg 240
 nngacccaaa ggnnanaaac aaactngtan ggccnngncn tcgggngngt ncccggtttc 300
 angnttngng aanntggat naaacctncn gnccttcna ntntgccnn tntgaacncn 360
 nggggatttg nggagagann cccacngac ngttntttt nnagnanngn caancacngn 420
 ggcacanntn tacnatgtng aaannccaan acttctnata cnnnccctt ttntccctga 480
 angggagaat aagggcnttt ctttgtgga naaanaccct nataaagcnc cctgggacnc 540
 aatgttntgg nccctggnc cncngcaca aaaanttna nnggnntanc nnntcctnt 600
 ncccanantc ntanaggga tttcnttaaa aatntctggn nctnaantnn ttcncaaagt 660
 tnttttaaan atgncagncn nacngttaan ncctcgcct tntntcnca ngaacnnttt 720
 ggncnnnnc ncngngtat aaanttcgtg nannncngng nancaagttt ttttnaacac 780
 nncnnnnatt atatatnggn gngggcnnan tccttttcnc ngnnancttn tnnagnngt 840
 ttnactcact nntaacnnn ngtcnngtn gtctcttta tgncanannc aaaatctcn 900
 acncttcgct tgaattcnac cnaaacctt ttnccncaa attncctaatt nctcntggtt 960
 ntntcactan aataacatnn nanaaaann nctncngntt ttatcancnc catcncntga 1020
 aggccg 1026

<210> 1667
 <211> 968
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(968)
 <223> n is a, c, g, or t

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<400> 1667
tttnagccta tnnggagnng natnncagtg gcggccgctc tagaactagt ggatcccccg      60
ggctgcaggt ccgagttttt tttttttttt ttttnanngg gnngnctttt tttggggggg      120
ggntggnnngc cccnnaaaan natgggnnnc annggaancc canccggggn cccccnaaa      180
anggggntnn ncntnnccng ggaanntnnt tttttaaaaa anccccnnng ggtnggacng      240
gaaancccnna ggntnaaanc naaacnggaa anccntgggc nnnnggnngt tncngggggc      300
ccggntgggg nattggngng naaancntnn gnngggcccg ggtnncccat ttnancccca      360
ggnnntttng nangaanaaa attngncccc tncnttngan gggggncnan tntgggcngg      420
cnccnccag ggntgggggn cnnnncccg aaanaaannc ngggngggcc nggggggnag      480
ngccttttng gttnaaaaaa cctntctnnn nnncccnnga aaaaangntn nggcccnngg      540
cnnnaccnccn ancntngggg ggggnccccc tcnggnccc ggggaaaang gttttcccaa      600
anncnnttcc ccnttgtng nncanttttg gggaaggtn canaatnggg gcccttnttt      660
ttcnccaaan anggnngntt ccncggggt tattttntn gtggggnggc cccccctctt      720
ttaaggggcc ctatnttana gacngggggg gccccannc cccccngng gntttttttg      780
nggnngaann ncccccttg gncccccng nngggnggnc cctttttggg ganccacccc      840
cccccnngc cttntntnc ccccccaaa attttttttn accnnaacc cccnntttg      900
gttggngggg ggaaaaaaaa aattttntng ggngggggcn tngttttttt aacccccccc      960
ggggggggg                                         968
```


<210> 1668
 <211> 997
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(997)
 <223> n is a, c, g, or t

<400> 1668
 ttnanaaaat ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggga gttctggagc cagtatcgga tcaatgtgac tgaagtgaac cccctggggg 120
 ccagcaccgg cctgctggat gtgagcttgc anagcatntt gcgccctgac ccgccccagg 180
 gcctgcgggt anagtcagtg cctggctatc ctgcgcgcct gcgtgctanc tggacntacc 240
 ntgcntcctg gccccgccag ccccanttcn tgntcaagtt ccgtttgnag nccgtccag 300
 cacagnntcc agcntgntnt acggtggacc cagntggatt gaaggaggtg atnaccgatg 360
 ntgnggttgg cntgccnat gtanggcggg tcaccgcccg gaactttttg gatgntggaa 420
 cctgaagntc ntgaancccc aaggcntggg gaantccaag cantgacccc ttacnnaagg 480
 aaatnccant tggggaccan caccncacn cagacggagg aaaaactttt gggcanacag 540
 cccccgntcc ccnaaagccg ttcnttttta cccanacca aagccanttt gaccanaaaa 600
 aacccccttg gaacaagggg cccgcccctn gctatttttt ggaaatnttt tttttttntg 660
 gaaactgggg gctggggncc cctggcntttt ggggcntttt ggtttaaggg gttgaaaccc 720
 aatntgaaaa ggggnnggnc cccnaaaaa ttttgggnnt ttttggncct caaatntttt 780
 tnagggggna naactntttc ncaggaannc cccaaaccct ttnaaaaana ccnttggggg 840
 gcccttttta tnnntttttt cccccccaaa nnnngngggg gggggggggg gggggaaaaa 900
 naaaaanccc cgggggggga aaaaanaann ncccctnggg gggggggggt tttaaaaagg 960
 gnaaaaatth tttttggaan nccctttttt ttttnaa 997

<210> 1669
<211> 978
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(978)
<223> n is a, c, g, or t

<400> 1669
aacaaanctg gagctccccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
caggaattcg gcacgaggca cggcttttcc cccctctgac atcgtctggg gtcctgattc 120
tgtcctcgtc tctttgaaag ccctctgatg aaacaacggc cccatccctc ccctacaagg 180
gtttccattt cccccaagtc gtctatgcat ttctctcacc gttttctgcc tcattcctag 240
agaaaacggg catctcatgt tccaccctct gagaccccc ctttcagaaa atgctgtgca 300
ttttggagac gtgaggattt cgtccaaagt tctgaaagca tttgcggaga gtcgttaga 360
aaataaaaaat gggaaaaagc aaaacgaaaa ggcggtgtcc cccacgtcc ctttccactg 420
agtaagacct agctctttgc gattgtgcaa taaactactt gccgtgagag caggtggcca 480
cgctcctgcc cagactacta actgacacag cacangacgg cgggctgcac gggggcctct 540
cccaaacgcc tnccatgagc tcagcttccc ccaccaccac caccaagcac cgtgtcttgg 600
cggngtcttt acattttaac aagtatttta tattttctgn aaccgcacta agtcttaagg 660
ggttttaaaa gcttcggttg gttcactc acaatcaaaa cttttttttt ttttttaaac 720
ccccccnang gncccantt ggcccaaaaa aaaaaagcc tttttttttt tgnccaaaaa 780
nacttttaaa aaaaaaccct ttttgngggg gggggtgggn ncccctttcc cgggnaanaa 840
attggggnnn ntnggcattt tggggcccc ggccccgggg aaaaanaaaa aaaccttttc 900
ccccccctgg gnnnngggg ggggggggaa aanccccgg ggnccccttt tttggnntt 960
gggtnaancc caaaanan 978

<210> 1670
 <211> 976
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(976)
 <223> n is a, c, g, or t

<400> 1670
 naaaagctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggcaagtg cggggggccgc cacggcagcc tccccagggg cagcccttgc agggcggcat 120
 gctggcctcc ttacgccaga gcgggtccga cctggcctac aagctgtgcc acaatgagtg 180
 ggtagtgggtg cagagctcca cgcacctggt ggacgtggct ggctgcgctg tggacgtgca 240
 gctgctcgag gactcccacc aggtgagcaa agacggctgc agctgcagct gctactttca 300
 gcagcgggtac cacctgccgt gccggcacat cctggcgctg ctgcacacca gccagaggcc 360
 tgtgagcgaa gccatggtgt gccgccggtg gcagaagagg taccagcacc tcctcggggc 420
 ctgcgggggag ctccgggacc ccattctgat cccagcagat gcaggccagc caggggaacc 480
 gggacggaac gacatgattc aggacctaa cagggagctt gcaaactctg tgatgcagag 540
 tgagggacca gagctggagg agcgtgctc cacgctgcgc aagattgtgg acattntggg 600
 cggncccccg ccagccttct gagcccagtc accaanccga nggaatttca nggatgtggg 660
 cttgnctncc ttttcttntg gggaaagcan gaaggaagg ganggactgg cttcttgctg 720
 gcaccaccca tttcatggtt gaaaccctt tgcccttggc attgcttagg ncggcaagcc 780
 ccnttttccn ttacagnccn aanaaacttn aaaggggggc cangaaattt gcctcggggg 840
 tcagggtttt aaancaaagg tntttttttn ggggnngggt taaggaaaaa gggttnccaa 900
 aaaaaaaaaa aaancccctt ttggggggga aaanccntt tnaaaatngg nccccnttt 960
 ttggncccgg ggtttt 976

<210> 1671
<211> 924
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(924)
<223> n is a, c, g, or t

<400> 1671
aaagctggag ctccaccgcg gtggcgcccg ctctagaact agtggatccc ccgggctgca 60
gggaaaaaaaa gagaaaaaat ttaaaataaa aaaaaagaaa gaaacctcca acgtatttta 120
tcactaccta taggaagaaa tcctgctttg agagtatttg taatgcggtt ttgttgctgt 180
ttgttgctgc ttatttcact aagaaaaacc caacaactga gactgcctag cccgccggtc 240
ctgtgcgctt ttattgtgct tctaacccca gtagagtaga actaaattgc actgaatgta 300
tagttaactg tcttgaatcc tctgtttatg caatgtgctc gaaagaaaaa caacgttaaa 360
aatatatcta taataataat ttttggtcat tcgtctttat gtccagctat gaatgtagat 420
tttgtgtccc ggcagcagct ctgtttctgg tcgaagtact ttgtattgta taccgtgagt 480
cataataaaa aaaaaaaaaa aaanctnggg ggggggcccng gnceccantn cccentatng 540
ggagcgggtt anannnnnnn nnnnnnnnnn nnnnnnnnnn cccccccccc cennnnnccn 600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnn 924

<210> 1672
<211> 983
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(983)
<223> n is a, c, g, or t

<400> 1672
aaanctggac tccaccgcg gtggcgccgc tctagaacta gtggatcccc cgggctgcag 60

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gcgtgggtag agcgccctgaa ggccctcaggg acgcttcgag agtataaggt ggtggggcgc 120
tgccctgccga cccccaaatg ccacacgccca cccctctatc gcatgagaat ttttgccgct 180
aatcatgttg ttgccaaagtc ccgcttcttg tactttgtgt ctcatgtgaa gaagatgaag 240
aaatcctcgg gggaaattgt ctactgtgga caggtgttcg agaaatcccc cctgcgagtg 300
aagaacttcg gcatctggct gcgctatgac tcccgcagcg gcacccacaa catgtaccgg 360
gagtaccggg atctgaccac tgccggcgcc gtcaccagtg gctaccgaga catgggcgcc 420
cggcaccgag cccggggccca ctcaatccag atcatgaagg tggaggagat cgcagccagc 480
aagtgcgcgc gaccgcgggt caagcagttc cagcactcca agatcaagtt cccactgccc 540
caccgggtcc tccgtcgcca gcacaagcca cgcttcacca ccaagaggcc caacaccttc 600
ttttangttc aggccctctg tccccagggc tgcacaaata aaacttagtg ggaaaactgn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncctgggg gggggggccg gcccaatttc 720
cccttttann nggggnnnnn nttnanannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnn nnc 983

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```

<210> 1673
<211> 1063
<212> DNA
<213> Bovine

```

```

<220>
<221> misc_feature
<222> (1)..(1063)
<223> n is a, c, g, or t

```

```

<400> 1673
gcctatanng agnngnatna cagtggcggc cgctctagaa ctagtggatc ccccgggctg 60
caggctgcga angccaggga gttcaaagaa tgcgtggagt gcttcgaacg ctctctgaag 120
attaatccca tgcagctcgg agtgtggttt tctctgggct gtgcctatct ggccttgga 180
nactacggag gttcagcgag ggcatttcag cgggtgtgtga ctctggaacc cgacaatgct 240
gaagcttgga acaatttatc aacttcttat atccgcttaa aacaaaaagt aaaagctttt 300
aaaacattac aagaagccct caagtgaac tatgaacatt ggcagatctg ggaaaactac 360
attctcacta acactgatgg tggagaattt tntgangcca ttaaagntta tcatcggctc 420

```

gttgtnctta cganacnact acgatgntcc ngtnnttnnn aancttgntn gggncngncg	480
antgatngnn atggaccngn ccgatntggc tnagnangaa cccgncctcn ncaaagaaag	540
ntnccaggag ntnntttngn nnagtgtctt tcnctaact ggnnnnnngn nggggaaant	600
cacggnnngg cngttngnct gcttcanatt ngaaanggcc ccngggntna ntnaccctcc	660
ntganataaa aaaggggnac nccccttnca ntntcttant gnnanncatn ggngngcccn	720
accccccatn tttnggggga aaaaaaaaaat aactnttttt ttnatntaag ggnnnnanan	780
ancntancc cnttcgcacc nntgggcttt ttaatttnaa anaaaaanaa aaatcccntc	840
ccngggggcc ttttaaanat atncgngttt ccagnnnccc anncnanttt tngggngctc	900
tnntttttta taacanaaaa aacnnttttn tncantantt gccaanatggg agaaaaatan	960
nncgncgagt attnttatgn tcnaaaaaaa accntnatnt tnnccccctc ttttnntnc	1020
nnnnntntnn aatanttctt cntncnctnt tctcancann cct	1063

<210> 1674
 <211> 956
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(956)
 <223> n is a, c, g, or t

<400> 1674	
ncannanctg gagctncacc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggtagta aaccaagcc cttgacctct tacagggagc tttggtctgg cccttcttaa	120
taacnntccg ggcccnancn tgggnattna actttanact tnanggnccn ggttannant	180
ggncnacca ccaannttn naccatnnnn cnanggagnn caaaaggtnn tcnaaaaann	240
nccnttcnag ggnnccntnc cccanctggc cnaaaagggc ntcggtatgg nanaantctt	300
tttantannt ncaagnacn antctttanc gganttttct nnannttttt acnantnagg	360
cntggcccca accctngacn ataggnggtg gnnnacccca acanggcttc tcaccacata	420
taaccccta tanaagtcca catgngcaca cacactctgt gtctatatgn gncttcggng	480
agttctatan aactgagnc cnnatatata ntatnatana ggganacgcg agcgnatata	540
ncacncgcn tntntancnn natcannttg agagtannnt ncactntnnn acnnnnctga	600
aaacnntnnn anacnnttn ctatatecna cggagganta cangncatca tntttttgta	660

nacacagggg	ttcacggcgn	tctcgacgnt	catntggggg	caccnntctt	taataagtgn	720
gctgcttccc	gccgacaaaa	aaaaatattt	tacttcttaa	ccaccacttc	tgctnttaag	780
acgcnggccn	gatgntgncg	ttnttntaga	cgangtaggg	acgatttcct	ccatgatgct	840
atctattgan	gangngggct	tnaanaannn	naaaannnnn	nnnnnnnnnn	nnnnnnnnnn	900
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnttnng	ggggggggng	ccccc	956

<210> 1675
 <211> 1026
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1026)
 <223> n is a, c, g, or t

<400> 1675	
tgagncctn anngnntcgt	attacagtgg cggccgtctt
agaactagt	gatcccccg
gctgcaggnc	nagtnntngt
ttnttttttn	tnccagnaa
ggntttttt	tgggccnggg
cntnctntc	cnaaaaaanna
atnggntnca	tnngctnccn
aancggngt	cnnccaaaaa
ngcgngatgn	cttngnaagg
gnnaacttnt	ntanaaaaa
ccccnnngng	gtnggnagg
nngacccaaa	ggnnanaaac
aaactngtan	ggccnngncn
tcgggngngt	ncccggttct
angnttngng	aanntggngat
naaacctncn	gnccttcna
ntntgccnn	tntgaacncn
nggggatttg	nggagagann
cccacngac	ngttnttttn
nnagnanngn	caanacngn
gcgacanntn	tacnatgtng
aaannccaan	acttctnata
cnnnccctt	ttntccctga
angggagaat	aagggcnttt
ctttgtggna	naaanacct
nataaagcnc	cctgggacnc
aatgttntgg	nccctggnc
cnnngcaca	aaaanttnna
nnggnntanc	nnntcctnt
ncccanantc	ntanaggga
tttcnttaaa	aatntctgnn
nctnaantnn	ttcncaaagt
tnttttaaan	atgncagncn
nacngttaan	ncnctcgct
tntntcnca	ngaacnnttt
ggncnnnnnc	ncnngngtat
aaanttcgtg	nannncngng
nancaagttt	ttttnaacac
nnnnnnnatt	atatatnggn
gngggcnnan	tcnttttcnc
ngnnancttn	tnnagnngt
ttnactcact	nntaaccnnn
ngtcnngntn	gtcctcttta
tgncanannc	aaaatctccn
acncttcgct	tgaattcnac
cnnaaacctt	ttncctncaa
attnccta	nctntgggt
ntntcactan	aataacatnn
nnanaaannn	nctncgntt
ttatcannc	catncntga
aggccg	

<210> 1676
 <211> 1026
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1026)
 <223> n is a, c, g, or t

<400> 1676
 tgagncntn anngnntcgt attacagtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggnc nagtnntngt tttntttttt tncagngaa ggnntttttt tgggccnggg 120
 cntnctnntc cnaaaaanna atnggntnca tngctnccn aancggnggt cncccaaaaa 180
 ngcgatgtn cttngnaagg gnaaacttnt nntanaaaaa ccccnngng gtnggnaggg 240
 nngacccaaa ggnnanaaac aaactngtan ggccnngncn tcgggngngt ncccggttct 300
 angnttngng aanntggat naaacctncn gnccttcna ntntgccnn tntgaacncn 360
 nggggatttg nggagagann cccacngac ngttntttt nnagnanngn caancacngn 420
 gcgacanntn tacnatgtng aaannccaan acttctnata cnnnccctt tntccctga 480
 angggagaat aagggcnttt ctttgtgna naaanaccct nataaagcnc cctgggacnc 540
 aatgttntgg nccctggnc cncngcaca aaaanttna nnggnntanc nnntcctnt 600
 ncccanantc ntanaggga tttcnttaaa aatntctggn nctnaantnn ttcncaaagt 660
 tnttttaaan atgncagncn nacngttaan ncctcgcct tntntcnca ngaacnttt 720
 ggnccnnnc ncnngngtat aaanttcgtg nannncngng nancaagttt ttttnaacac 780
 nncnnnnatt atatatnggn gngggcnnan tcctttcnc ngnnancttn tnnagnngt 840
 ttnactcact nntaacnnn ngtcnngtn gtctcttta tgncanannc aaaatctcn 900
 acnttcgct tgaattcnac cnaaacctt tncctncaa attncctaatt nctntgggt 960
 ntntcactan aataacatnn nnanaaann nctcncgntt ttatcancnc catcncntga 1020
 aggccg 1026

<210> 1677
 <211> 966
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(966)
 <223> n is a, c, g, or t

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<400> 1677
ttnnanaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg      60
ggctgcagga attcggcacg aggctctctt tagttctttg tacggaggtg aaaaaataa      120
aaagatcctt caaaaatggc aatggatatc gaattcctca agcaggcctg gtttattgaa      180
aatgaanagc aggantncnt taaaacggtg aanggatcca angngngtcc tgggtcagca      240
gngancccnt atcctacgtt cantccttcc tcggatgttg aggccttgcn caaagcantc      300
acagttaaag gngnggatna ancaccntc nttgaanttn tgactaaaaa aaccantgca      360
cagngtcagc aaatcaaanc ggcctatctg cagganaaag gaangcccct gnntnaagtn      420
ntgaanaagg cntcntcgg ncaccttgag gangtngttt tgnntntatg gaaanctcca      480
ncccanttng atgccnaaaa gctccgcgct gcnntgaagg gccttggaac tgatnaaaac      540
cctntgaatg aaatTTTTgn cttcgagaac ttcccagaga gatcagagaa tttancagag      600
tctntagaaa aaaactgaag aaagatntgg ctaaaanaca tcgccttaaa cccatttgga      660
naatttgaaa aggnTTTTgt ttgctntttc ttanggggga cccgaccca gggactttgn      720
tgaaaaanaa caanttgggt tttttnaaan ncccgggccn tttttttaac cccgggaaaa      780
aaaaaaaaag gggccaann gggaaanngg ttncaattac ctttttttaa cccccngggg      840
gnttttnccc ntttttcggg naangggttt taaaaaaant tttcccnnt tttcccncc      900
ctttnnnttt aananaantt ttttgnccc ccgggggttn aaaagggggc cccctnnaaa      960
aanncn

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<210> 1678
<211> 954
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(954)
<223> n is a, c, g, or t

<400> 1678
tnnaacaaaa gctggagctc cccgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggaa ttcgntatga agcttattcna taccgtccac ctctangggg ggccccgtac 120
ccantgnncc ctatantgan ncacattaca gcccggagga atggtagatg gcangtggtc 180
ttgttttttaa ccaatatgag ggatgtcctg aatttggtag aacaactgtg agacaacttc 240
agcaagcttt gtaaacaggt tttatattca gtttggggggt aatgaagcat ttcagtttcg 300
tgagtagagg gcctactttt ctttcctcac cctgtatttt aaaagtcttc taaatatgta 360
gtttcggtgt ataattctgg gcggggggag ttttttggg gggggagcaa aatatgtttt 420
gagttctttt ccctttaggt ctgtctagaa ttccaaaggc aaatgactcg aggtaacagg 480
cgaaaagaaa atccaatatc aggataatca gaacactgca ggtttacagt tatagaaact 540
ctagcacaag cagctttcac tttgangtct gtggcgcaac ttgtccattg gaagtaatgg 600
ctggtaagtt tattcttttt tccccaccc ctttattaaa atatttttat aaaggaccgt 660
aactgggtat ttttacttaa atanttttgg ggggggngng aacanggaaa aanggggggg 720
ggaaaaactt tttttttttt aaaaattttc ccccanaatt cttttnnnnc tattggncaa 780
ttttgagtta aaaaaaagga atggncttgt tacctggtn gcaccaacan cttttanggg 840
atnggaccan tttttttcnt tgggaaaaaa tntttccan nngaaacctg naaagggccn 900
cnccccaggg cnncttttgg gtnatttttc nnncttttn agggaaaaac ttnn 954

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<210> 1679
<211> 954
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(954)
<223> n is a, c, g, or t

<400> 1679
tnnaacaaaa gctggagctc cccgcggtgg cggccgctct agaactagtg gatcccccg 60

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gctgcaggaa ttcgntatga agcttatacna taccgtccac ctctangggg ggcccgggtac	120
ccantgnncc ctatantgan ncacattaca gcccgaggga atggtagatg gcangtggtc	180
ttgttttttaa ccaatatgag ggatgtcctg aatttggtag aacaactgtg agacaacttc	240
agcaagcttt gtaaacaggt tttatattca gtttgggggt aatgaagcat ttcagtttcg	300
tgagtagagg gcctactttt ctttcctcac cctgtatttt aaaagtcttc taaatatgta	360
gtttcgggtg ataattctgg gcggggggag tttttttggg gggggagcaa aatatgtttt	420
gagttctttt ccctttaggt ctgtctagaa ttccaaaggc aaatgactcg aggtaacagg	480
cgaaaagaaa atccaatatc aggataatca gaacactgca ggtttacagt tatagaaact	540
ctagcacaag cagctttcac tttgangtct gtggcgcaac ttgtccattg gaagtaatgg	600
ctggtaagtt tattcttttt tccccaccc ctttattaaa atatttttat aaaggaccgt	660
aactgggtat ttttacttaa atanttttgg gggggngng aacanggaaa aanggggggg	720
ggaaaaactt tttttttttt aaaaattttc cccanaatt ctttnnnnc tattggncaa	780
ttttgagtta aaaaaagga atggncttgt tacctggttn gcaccaacan cttttanggg	840
atnggaccan tttttttcnt tgggaaaaaa tntttccan nngaaacctg naaagggccn	900
cnccccaggg cnccttttgg gtnatttttc nnncttttn agggaaaaac tttn	954

<210> 1680
 <211> 964
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(964)
 <223> n is a, c, g, or t

<400> 1680	
ttnnnnaaaa gctggagctc caccgcggtg gcggcgctc tagaactagt ggatcccccg	60
ggctgcagga attnganntg angcttatcg atacntcca cctcnanggg gngcccggtn	120
cccaatncnn cctatannga nncnnattac agcccgagg aatggtagca tggcangtgt	180
tcttggtttt aaccaatatg agggatgcc tgaatttggg agaacaactg tgagacaact	240
tcagcaagct ttgtaaacag gttttatatt cagtttgggg gtaatgaagc atttcagttt	300
cgtgagtaga gggcctactt ttctttctc accctgtatt ttaaaagtct tctaaatatg	360
taagtttcgg tgtataattc tgggcggggg gagttttttt ggggggggag caaaatatgt	420
tttgagttct tttcccttta ggtctgncta gaatnccaaa ggcaaatgac tcgaggtaac	480

aggcgaaaag aaaatccaat ntcaggataa tcanaacact gcaggttttac agttatagaa	540
actctagcac aagcagcttt cactttgagg tctgtggcgc anctgtccat tggagnaatg	600
gctggnagtt tattnttttt ttccccaccc ctttattaaa tattttttat aaaggacgta	660
accgggttaa tttcaactta aatatttngg gggggggggg aacagggaaa aagggtgggg	720
gaaaaaactt tttttttttt aaaaatttcc cccagaattt tttaggncctt tttggccaat	780
cncgatttaa aaaaaggaat ggaaatggct aacctggtng ggaaccaacc ncctttaggg	840
antggaaaac cttttttttt nttgggaaaa ggttttccca aaaggagntc naaaggaaca	900
aacccccngc cgggnttggg gnncccttta aacccttccc caagnaaaac cctcnnaaat	960
tggt	964

<210> 1681
 <211> 941
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(941)
 <223> n is a, c, g, or t

<400> 1681	
ttganaaaanc tggagctcca ccgcggtggc ggccgctcta gaactagtgg atcccccggg	60
ctgcaggaat tcggcacgag gcttatntna ancgttngan ngnagggtggc ncccnntaaa	120
atntncttca natattgnan cntnttnngn atncctcatn natgcntggg tgattgaana	180
ngngnnatac taattaatnt ggacnggnag ggnntncana ngagntnctn tatcatcagc	240
aagccnataa nntangatca atntatnttc ntatgtngcn gcnttgctca tggatttcan	300
aatnaaannc nngcacnatg cnancgtggg ttgnanncnt gactaatgaa anacagatgc	360
acancgncac gntatgaata ctgcttntcn ggaggataac ggaangnacg ntggataata	420
angattaaga aggcnnntcn agatgatntt gnggantttg ntttggtct ntngaanact	480
gctccccagn tagatnnccn atngntacgt gntgacttga ntggccttca gactgacng	540
gacnctgtga nngatnntnt nccatatgna actntcagaa ctancangan aaattatccn	600
gggtctctct anaatnactg antacaggan ctngatnnaa gacntttgct canncncatt	660
ttggtttatt atgntaaagg attttgcttg ctctttctta tgnntgaccg natatgangg	720
acttcantgt ataatggaaa aacttgnttg attttgacct cagggcctta tattnaagcc	780

ngnggggaatc aaaaaantnn nggttcnaaa ttttaaattgg ggttcncctt acaanttttt 840
 tccncttggg acttttttnc ctttcccg aaagngttt tnnngnaaan natttcccn 900
 nntttngnnn ggctttncct tttnaacnan nnnnnctggg n 941

<210> 1682
 <211> 1016
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1016)
 <223> n is a, c, g, or t

<400> 1682
 tnnancnna tctggagctc caccgcggtg gcggcgcgtc tagaactagt ggatcccccg 60
 ggctgcaggc cttggtgtcc gagcactctc tccctctctc tagggcgggc acctccggcg 120
 gccggaaagt caccatgtcc atcctgaagg tccacgccag agagatcttt gactctcgtg 180
 ggaatcccac cgttgaggtt gatctcttca ccgcgaaagg tctcttcaga gctgctgtgc 240
 ccagtggcgc ttcaactgga atctatgagg ccctggagct ccgggacaat gataagacgc 300
 gctacatggg gaaaggtgtc tcaaaggctg ttgagcacat caataaaact attgcgcctg 360
 ccctggtttag caagaagctg aacgtcgtgg agcaggagaa gatcgacaag ctgatgatag 420
 agatggatgg cacagaaaat aagtccaagt ttggtgcgaa cgccatcctg ggcgtgtccc 480
 tggctgtctg caaggctggt gctgtggaga aggggggtgcc cctctaccgc cacatcgccg 540
 acttggctgg caatgctgag gtcacctctg cagttccggc tttcaatgtc atcaacgggtg 600
 gctctcatgc tggcaacaag ctggccatgc aggagtttat gatccttcct gttggggccc 660
 gaaaacttcc gggaggccat gcgcatcgga nccagaaggt ttaccacaac ctgaagaatg 720
 tcatcaaagg aaaaaatatg gggaaggatg ccaccaaccg tgggagatga agggcggctt 780
 ttgcccccaa cattcctgga ngaacaaana ancccttggg gctgcttgaa naatgccnnt 840
 cggcaanggc tggctaccan cngacaaagg ctttcattcg ggcattggac gtaacttgcc 900
 ctntgagttt tanaggtccg ggcaagtntt gaacctggac tttaaagtcc cccgatgacc 960
 ccacnnggtt cattcacaac ccgnagaagc tgggccacc ctgtncatt ccttnn 1016

<210> 1683
 <211> 1023
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1023)
 <223> n is a, c, g, or t

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<400> 1683
nntatctgga gctccaccgc ngtagggcgcc gctctagaac tagtgggatc ccccgggctg      60
caggaattcc gccccgaggg cagtggactg cnntcgccac cttcctctat gcggaggtct      120
tcgctgngct gctgctctgc nttcccttca tttctccaa aaaatggcaa annattttna      180
agtcccnct tgtggagtcg gtatggacat atggcaccac cttctttggg gctctcattg      240
ncanccttgn gctacagnac attgatgctg ttcgngagat tnaaanntat gatgatgnga      300
cananaaggn gaacctncan aacnncctg gggctgngga gcacttccac atnaagcttt      360
nccgtgcca gaggaacctn tacattgntg gntttncctt gctgctgccc tttctgnnta      420
nacgcctggn gactctcatc ncccaccagg ncnogctgtt gggctgcaan aaannnttta      480
aaaagccggc anagagcgcc aatgntgcnt ccaagacctt gnatggagga nnaaccacct      540
ccncaaagan tgntnctggn ggggaaccacc ttnttggggg ggggaccncc actgaaatng      600
ccccgggaat aaaaaaagan ncntnangnt ttttttcaa aaanccanaa cnnaaaggnt      660
ggngttttac ctttncaaag gngggaaaaa ggngggaaaa nnnaaaatnt ttgccntttt      720
cccaaccnnt tttaaggggc tttnccangn ggaantnana cccctgttt ngggggnana      780
cnnctaaatt tngngagnnt tncntaantg gggcccccnn ggccanaaa aaaanaaatn      840
ancntttccc cncncnttn ttngnncnnc ttnnccnna aaaaaccccc tctttttttt      900
gaaccccccc tatntntttg ggcgnttttt tnttctnann gggggggggg nggcncncc      960
ntgncnnttt tttttaaggg ngaccccggt cccccccccc cnaaaaaaaaa ahaggcnngg     1020
ccc                                                                1023
  
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<210> 1684
 <211> 1370
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1370)
 <223> n is a, c, g, or t

<400> 1684
 tcggcnnngg ggngngcnc ngngtcctna actccgctnn cnanagcna atntggagcn 60
 ccaccncggn ggcgggccgcg tctagaacta ntggancncc ncgggctgca cgnaatnngg 120
 cncnagnnnt ttncctatt acaggnctaa canacacggn nnaccnnggg ggncncntgc 180
 tccncntnnn acttncntn cnttnnncnn taatanantt cttntannag atatgatann 240
 annnnccnnc gncnctcaaa ctctnttttt acctngttn tngcnatcca atcgnnngct 300
 cggcgctggn gngnnnatgn ngtagttnnn acnngctana agnnagtnan ttntntntnn 360
 nttnnnttg tntnagcng cgnaccgnt tatattnta atnnnnacaa cgtngtactt 420
 ccnattgtng nactctann cctntnngtg tagacctnta nnnctnattc tntatntnn 480
 gngngnncan gnagttcatn tnttnttgt nnanngtnnc ncgnnnanac gncttanttt 540
 attnatttac tntatgctgt ngngncctnn nntntantcn nttnatantt atncgacggn 600
 tanntnntg antgtnttan tantntnna ncgtgnntna tgnnngntct cennnnnnng 660
 nnttcgangc gnaaggngcc gnnnnctnn aaccacttta ngnagcnnac gtgtnaacnt 720
 nntcnatgtc ntnnnagnc gcnnecgng nnnnttcggn tccntnecg ttgnnngnn 780
 ntnnantat nntcntnng nttctnnntn taatcctntt tctncatna tccgncccc 840
 cccctnnt cnnacntct cntatcnc tgctcncna nngnaacta gntntanca 900
 ttgtatnncn tcgnatnta nttcaccann gcatganttc gcctntnant cgtntnataa 960
 atnnnannac nncnattgn attactanat cacngcttn ttaantgntc nncgnannng 1020
 cnngcatctg ngcttnncca tncncanttn cntgtgaggn gnganngacc gtatnnantn 1080
 tnnnnntc tnncgnnann ncngcncta cttnnncnc tctgntctct agnacntgac 1140
 nanttgncna nntcnnnnc cactcngng antanacacn gngnttctct taatctctaa 1200
 tncgggacgg aagggnctcc cncacgngg atnnngtngt gantntaanc nngctgtng 1260
 atannntcgc cccccccccc cccccctct nttanttna cttntgtgt gtntacnatn 1320
 aagcnaantc tatnctctnc tcnctccgt gtggggggng gcntcnccc 1370

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<210> 1685
<211> 1155
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1155)
<223> n is a, c, g, or t

<400> 1685
ttgannanan anggagctgc nncaggggc ggccgctcta gaactagtgg atcccccg 60
ctgcangnnn gagncnnnt ngatatttta tnnaangnc ggtcnnnctn ttgggggggn 120
atatngnacn caacanaata tnngannncg tttnaaanch tanchatgtn ttgttctcca 180
aagggggngn nccncctng cnagggncnt nnttgtatta ataaaaaacg caggagntn 240
ggacnnnta nncctancgn ananantcn tncctcgga accntaannn tgnacagntc 300
aggngnattn ntagnnctgn nantncttg nannanncn annntaaant nccnnngnn 360
nnngnnngt ntttntctt aattcnaacn naccggnggn nanttnnnng tggnnagagn 420
cnnntgacnc nngnnttnt atntatnngn gntgtgnana natgngagac gngnncatng 480
nganngggtn anacnggttn aattnnctt tccnangacn annctnccn gccnangntt 540
tngannaagc catantccn nncacntacc anccttnta caantnaat acgncntgcc 600
anaactnnn nggantnnn tnnggcncn anccnncn acnancccg nttanggttn 660
natangggct cgnggnacng ntntaantta taatnattta cttaaagaca ccagtnnnn 720
atngacnngt gntcacgnnn agtnggntga nngttnntna ntncgncaga tccnnntntt 780
ncganaanna ctangagatn agngagatng cncnggggn ttcaaanttt ggatgtttng 840
gcagacgat nntntntcn ggngacanac tatntactn gtngtgnccn ggannnggca 900
cncttgnta nngtnatnc tannagtagt gaagacnncg tcacntagan tangattgga 960
ngngatnntn ctcantatga gagtagaaa tgnangnca ngangnttc ngtttannta 1020
gnggntantn nnnnnntn tgagantnt nagnactcn nagctntgta nnnantgctt 1080
atgccncaa acaanaacnt ggntctgaga ntggncntgg nggnntcntn ntgaantaat 1140
acgcaggaag anccg 1155

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<210> 1686
 <211> 1155
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1155)
 <223> n is a, c, g, or t

<400> 1686
 ttgannanan anggagctgc nncaggggc ggccgctcta gaactagtgg atccccggg 60
 ctgcangnnn gagncnnnt ngatatttta ttnaanngnc ggtcnnn nan ttgggggggn 120
 atatngnacn caacanaata tnnnganncg ttnnaaancn tancnatgtn ttgttctcca 180
 aagggggngn nccncctng cnagggncnt nnttgtatta ataaaaaacg caggagntn 240
 ggacnnnta nncctancgn ananantcn tncctcgga accntaannn tgnacagntc 300
 aggnagnattn ntagnnctgn nantncntgg nannanncn annntaaant nccnnngnn 360
 nnnngnnngt ntttntctct aattcnaacn naccggnggn nanttnnnng tggnnagagn 420
 cnnntgacnc nngnnttntct atntatnngn gntgtgnana natgngagac gngnncatng 480
 nganngggtn anacnggtnn aattnncttt tccnangacn annctnccn gccnangntt 540
 tngannaagc catantccnn nncacntacc anccttntcta caanntnaat acgncntgcc 600
 anaactnncn nggantnnnn tnnngcncna anccncn nan acnancccg nttanggttn 660
 natangggct cgnggnacng ntntaantta taatnattta ctnaaagaca ccagtnnncn 720
 atngacnngt gntcacgnnn agtnggntga nngttnntna ntncgncaga tccnnntntt 780
 ncganaanna ctangagatn agngagatng cncnggggn ttcaaanttt ggatgtttng 840
 gcagacgat nntntntn cn ggngacanac tatntactn gtngtgncnn ggannnggca 900
 cncttgnta nngtnatnnc tannagtagt gaagacnncg tcacntagan tangattgga 960
 ngngatnntn ctcantatga gagtagacaa tgnannngca ngangnttnc ngtttannta 1020
 gnggntantn nnnncnnntn tgagantnt nagnactcn nagctntgta nnnantgctt 1080
 atgccncnaa acaanaacnt ggnnctgaga ntggncntgg nggnntcntn ntgaantaat 1140
 acgcaggaag anccg 1155

<210> 1687
<211> 992
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(992)
<223> n is a, c, g, or t

<400> 1687
ttnnnnaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccgg 60
gctgcaggca ggatcaagcg attcctggcc aagaaacaaa agcagaatcg tcccattcct 120
caatggattc gaatgaaaac tggcaataaa atcaggtaca actccaagag aagacnttgg 180
anaanancca agctgggtct ataaaaanca ngctgggtct atgaaaagng gtcttancat 240
gtaaaccant tttttaanca gccanatcnc anngaaanct tcntacngt anngctnggc 300
ccangangtn ntttctntnn tntcagncng naaccanct ttaantntaa ancgtnghaa 360
aaaaaaaaa aaaaanntgg ggggggggcc ggggcccaat ttccccttna ggggggncgt 420
tnaaaaannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc 480
nttnnnnnnn nnnnnnnnnn nnnnnnnnnn cncnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngnn 600
nnncnnnnnn nnnnnnnnnn nnnngnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn 660
nnnnnnnnnn ncnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tn 992

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<210> 1688
<211> 946
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(946)
<223> n is a, c, g, or t

<400> 1688
aacaaaatct ggagctccac cgcggtggcg gccgctctag aactagtgga tccccgggc      60
tgcaggcacg gcaagttcaa cggcncagtc aaggcagaga acgggaagct cgtcatcaat      120
ggaaaggcca tcaccatctt ccaggagcga gatcctgcc aatcaagtg gggatgatgct      180
ggatgctgagt atgtgggtgga gtccactggg gtcttacta ccatggagaa ggctggggct      240
cacttgaagg gtggcgccaa gaggggtcatc atctctgcac cttctgccga tgcccccatt      300
tttgtgatgg gcgtgaacca cgagaagtat aacaacaccc tcaagattgt cagcaatgcc      360
tcctgcacca ccaactgctt gccccctgc caagggtcatc catgaccact ttgcatcgtg      420
gagggactta tgaccactgt ccacgccatc actgccaccc aaaagactgt ggatggcccc      480
tncgggaagc ttgtggccgt gacggccgaa gggcttgcca aaatatcatn cctgcttcta      540
ctggcgcttg ccangccgng gcaaggtcat tccttaanct aacgggaaac ttactggcat      600
ggccttccgc gtccccaatt ccnaacgtgt ttggttgngg atctgancct gccgcctgga      660
naaancctgc caagtttgat ganatcaana agngggtgaa accagcgtca aaaggccctt      720
tnaanggan ttttaggcta ccctggngga ccagggttggg tcctgggaan ttnaaaaggg      780
aactttantt ttttnacnt ttnaagctng ggggttgnat ttgnccttaa aanaccctt      840
ttggaaagct tattttcctg gggacnaaaa aatnaaattt ggcttcccc aaaaangggg      900
gggggggacc tttttggggc ccaaattggc ccccaaagn gagnan                      946

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<210> 1689
<211> 972
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(972)
<223> n is a, c, g, or t

<400> 1689
nacaagctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc cccggggctg      60

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caggttttaa atcaagtcaa ccacttttca aagtaaagag ttcacacaac tactttcatg	120
aatttttttaa tcccgttgga aacatatacc aggagtgttc cagtatactg gaatacaggc	180
acactaccat tcatgggatg aattctgggg ttacacaaac cagttttgat gcaatctgct	240
cagtaataata atttgtcatt ttattanaa atataatttc ttcagtgtgat gtcatgaaat	300
tgtacatact gcagtgtgaa tttttttgtt ttgtttttta atcttttagtg tttacttctt	360
gcagtgactt tgaataaatg aaggaaaaaa ttcaaaaaaa aaaaaaaaaa acntgggggg	420
gggncnggc ccnattncc ccttatnggg ngngntnaa aannnnnnnn nnnnnnnnnn	480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960
nnnnnnnnnn nn	972

<210> 1690
 <211> 922
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(922)
 <223> n is a, c, g, or t

<400> 1690	
ttnancaaag ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccggg	60
ctgcaggcag gatcaagcga ttcttgcca agaaacaaaa gcagaatcgt cccattcctc	120
aatggattcg aatgaaaact ggcaataaaa tcaggtacaa ctccaagaga agacattgga	180
gaagaaccaa gctgggtcta taagaagcaa gctgggtcta tgagaagtgg tcttaacatg	240
tagaccactt ttttaagcag ccagatcaca atgaaaacat cactactgta atgcttggcc	300
catgatgtta tttctcact atcagtctga gaccagcaa taaatataaa acgttgcaaa	360
aaaaaaaaaa aaaacntggg ggggggnccg ggncccnatt nccccntntg gggngnggtt	420

taacannnnn nnnnnnnng nnnnnnnnn nnnnnnnng nnnnnnnnn nnnnnnnnn	480
nnnnnnntn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnccn nnnnnnnnn	540
gnnnntnnnt nnnnnnnnn nnnnnnnnn nnnnnnnnt tnnnnnnnn nnnnnnncc	600
ccnnnnnnnn nntnccccc ccnnnnnnnn nnnccntnn nnnnnnnnt nccnnnnnn	660
cnnnnnttn tgnnnngnn nnnnnnnnn nnnnnnnnn nngnnnnnn nnnngnnnn	720
nnnnnnnnnn nnnnnnnccn nnncccccc ccccccccc cccnnnnnn nnnnnnnnn	780
nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn	840
nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn	900
nnnnnnnnnn nnnnnnnnn nn	922

<210> 1691
 <211> 991
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(991)
 <223> n is a, c, g, or t

<400> 1691	
gcctatntgg agctgcatcn cnggggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggtgaatt cccgtngann ttanaggga gctttnacaa tgnccggagc ccttgatgtc	120
ctgcnaatga aggaggagga tgtcctcaaa ttncntgnan caggaacca nttaggtggc	180
accanccttg actnccanat ggaacagtac atntacaaaa ggaaaagtga tggcatctac	240
atnataaatc tgaagaggac gtgggagaag cttctgtngg ccgttcggnc cattgcngcc	300
attgaaaacc cggctgatnt cagtgtcata tcctcnagga atactggcca gcgagctgtg	360
ctgaagtttg ctgctgccac tggagccact cctatcgntg gccgcttcac tccgggaacc	420
ttnactaacc agatccaggc cgnattcngg ganccaaggc ttnggnggt caccgatccc	480
anggtgacc accagnccct cacggaagcc tcttacntna acctgcnaac cattgccttg	540
tgnaacacng actctcctgt gcgctacntg gacattgcca tcccggtgan catcaaggga	600
gcgcactcag tgggtctgat gtggtggatg ctcgccngg aagttctgcg catgctggc	660
ancatctccc gaaagcacc gtggggaggt catgccggac tctacttcta cagagatcct	720
gangagattg aaaatggaaa agcaggcngc tgntganaag ctgtgancaa ngangagttt	780

tnaaggngga ntggactgct ccaggctcca gaatttacgg gntgggttcnc cttatggtgg	840
ngaaactgnn nttaaagcct tgcaggtgcc ttccnngccc attttancnn ntccccatgg	900
aaaactggna gggcttaanc cttccattga aaaactggnc ttgcggcccc cccggcccnt	960
gcnaaggnaa tnggntngga accncccccn n	991

<210> 1692
 <211> 1009
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1009)
 <223> n is a, c, g, or t

<400> 1692	
nacaaanctg gagctccccg cggngggcggc cgctctagaa ctagtgggat cccccgggct	60
gcaggcttcg gggtcggcag cggcaagact gtttgccgc ctctacaagg tcccggccnt	120
gttcagctcc agngccaana tngtcaagcc caacggcnan aagccggacn agttcnagtc	180
ggggatctcc caggccntgc tgganctgga aatgaactcg gacctcaagg cgcagctgcg	240
ggagctgaac atcacggccg ccanganat cnaanttgn ggnggccgna aagctattat	300
tatcttcgtc cccgtcccg c anctgaagtn tttccaaaaa atccangngc ccctggtgcg	360
cganctggaa aaaaatttca gcgggaagca cgtcntcttc atccccaga ggataattct	420
nnctacgcn nctnaaaaaa gccgtacgaa aaataagcaa aancntccca ggagccnttc	480
tctgaccggt gtgcacgacg ccatgctgga gganttggtt ctnccaaang agatcgnggg	540
caagaagatc cgantgaagc tggacggcag ccactnata aaggtccntc tggacaaagc	600
tcaacanaac aacgtggaag cgcaaggatg aaacgttttt tgggtgttnan aaacanactc	660
ncngggcang ggatgtttat tttgaattcc ccgagttttc agntggnaan ccacaccaac	720
taaattttta ttttttttct tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnaaaaan	780
nggggggggg ggggggcccg nccccnnnt tttnttttn tngnggggaa nnnnnntnaa	840
annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntnnnnnnc	1009

<210> 1693
 <211> 1037
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1037)
 <223> n is a, c, g, or t

<400> 1693
 nnnnatctgg agctccaccn cgggnggcgg ccgctctaga actagtggat cccccgggct 60
 gcaggaattc ggcacgaggt tagcaagaaa gctgaacgtc cgtgggaaca aggaagaan 120
 gaatccganc aaggcttgan ganangaaga nggatgggac aagaaaataa ngtcnantt 180
 tggngncgaa cccntttctn ggccnnnncc tngntngntg nnanggtngn gntngggaaa 240
 anggggngcc cttttncnn cncattgcn acttggtng cnatgntnan gncatnctnc 300
 cnnttcngn ttttaatngn atnaacngng gnttttatnc nngcnacnan cnngncctnc 360
 cngaatttan nancnttct ngtggggncc aaaacnttcn ggangncntn cccnttngaa 420
 cnaaagttta ccacaaccng aagaatgtgc atnaaggaga aatatgggaa ggatgccanc 480
 aacntgggag atgagaggcn gcttttgccc ccancatctc tgtgagaana caanaaacc 540
 tgtagcgttn gtgaaaaaat ncgcatntng naaaagctgt ngtanacacg acacaagtgc 600
 gccatntnca tnnagcnan nctgncctct tngnttnta cacnngtggc anntattgac 660
 actgtactnt ttngtgcgcc ccntgacccc acccangtnc atncttcacc ccgacgaaga 720
 tgntgcaacc tgtagaannn gccttnttca tgggacctac nncactggtn gtntattntt 780
 aggaccccct tntaacnnc gantganctn gggaaagact ttntncagaa anttcatctt 840
 gcncncccg ccagggnnat tccnangtng gntggggggg gattgaacc tccccggng 900
 gaccaancc ccccnancn gggtttctt ccananggnc ngcnaaagca naanaaaaaa 960
 tctttgnnnn anctttncnt ccttgctngg annagtntn cccacaatt tggnttttn 1020
 tntnancnn acgccn 1037

<210> 1694
 <211> 969
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(969)
 <223> n is a, c, g, or t

<400> 1694
 ttnagcntac tggagctcca ccncngnggc ggccgctcta gaactagtgg atcccccggg 60
 ctgcaggaat tcggcacgag gctagagagg ggtccatacg gcgttgtctt gaattcccggt 120
 cgtaacttaa ngggaagctt tnacaatgnc cgnanccntt gntgtcntnn aaangaagga 180
 gnagnatgtc ntnaantttn ttgcannagn anccnnttaa ggggnnccna ncntnnnnntn 240
 cnaanngnac natncntttt ccaaaggnaa anggnggggn tttnncttan naatttnaan 300
 aagncnngg aaaaacntct ggtggggcgt tcgcccnttg cgccttnna aaccgggtn 360
 natgtcatgg catatatctc tcaggaatan ngggcacacg agctgtgctg anaatttggn 420
 gtgntgccat gtgagncca ctctntatcn gtggccgttt ncctcggaa acntttctat 480
 acccanancc gnccccnttt ncngagnncn agnntttgng gggcacncat ancagnggtg 540
 aacaccaanc cctncaggg naancctttt tangnaaccc tccccacttt tgctgtggac 600
 acagactctt cttttntgtc taggggaatt ttcacccncc ggnaacaaca aaggngcgc 660
 ncccccggg ggcttctgat gtggaggntt ctccccgan aaactnctct tcctgcggnc 720
 cacttcccaa naaaaacccc cggngggacg ttctgccct cttttttntt cnaaaannt 780
 ttcngaagn atnanttaag gaaggaacna gccnccanc ttnntaaagg attttncca 840
 acccaaggaa naanntnggg ggggtggaaa nngcctcct cccccacn anaaatngan 900
 ngggntgncc ccnnncngng ggggcctnac ttttnaagga aggccnnggn nntttccttt 960
 cccaanncn 969

<210> 1695
 <211> 969
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(969)
 <223> n is a, c, g, or t

<400> 1695
 ttnagcntac tggagctcca ccncngnggc ggccgctcta gaactagtgg atcccccggg 60
 ctgcaggaat tcggcacgag gctagagagg ggtccatacg gcgttgtctt gaattcccgt 120
 cgtaacttaa ngggaagctt tnacaatgnc cgnanccntt gntgtcntnn aaangaagga 180
 gnagnatgtc ntnaantttn ttgcannagn anccnnttaa ggggnnccna ncntnnnnntn 240
 cnaanngnac natncntttt ccaaaggnaa anggnggggn tttnncttan naatttnaan 300
 aagnccnngg aaaaacntct ggtggggcgt tcgccnttg cgccttnna aaccgggtn 360
 natgtcatgg catatatctc tcaggaatan ngggcacacg agctgtgctg anaatttggn 420
 gtgntgccat gtgagnncca ctctntatcn gtggccgttt ncncctcgaa acntttctat 480
 acccanance gnccccnttt ncngagnncn agnntttgng gggcacncat ancagnggtg 540
 aacaccaanc cctncaggg naancctttt tangnaaccc tccccacttt tgctgtggac 600
 acagactctt cttttntgtc taggggaatt ttcatecncc ggnaacaaca aaggngcgc 660
 ncccctcggg ggcttctgat gtggaggntt ctccccgan aaactnctct tcctgcggnc 720
 cacttcccaa naaaaacccc cggngggacg ttctgccctt cttttttntt cnaaaannt 780
 ttcngaagn atnanttaag gaaggaacna gccnccanc ttntaaagg atttttncca 840
 acccaaggaa naanntnggg ggggtggaaa nngcctcct cccccacn anaaatngan 900
 ngggntgncc ccnnncngng ggggcctnac ttttnaagga aggccnnggn nntttccttt 960
 cccaanncn 969

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<210> 1696
<211> 957
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(957)
<223> n is a, c, g, or t

<400> 1696
tnnnnaaaag ctggagctcc accgcgggtg gcggccgctc tagaactagt ggatcccccg      60
ggctgcagga attcggcacg aggcttgcac tcagtataac acaaagtat tcccagtcga      120
aagttcagta agggcttgag agtagcaacc aagagggtga gagaacagag gctgttttta      180
tgattngcca anatatccag tctcctnttt attngattag naaaaatatc tttgngtnga      240
attcagggtc agttttgatc ctgtntctgca nnaatctcca ntcagtaaata natttcagnc      300
annancngaa ccnctnttan ngaaaancta nttaccaccc tntcancacc anaantcncc      360
aggncntanc aaaaancnca gcntatting ccggnngaaa tctngctggg ccntctttaa      420
gaatccngnc accacaaanc actttnttct cngggncctct ttaanagatt tattattagt      480
atgaccnct ctaggcagtt gngtncntnc ttncncgcc actcagcaca cacacgtccn      540
tccttaagga agccaanact tcagggaacc tntnttcaaa aacaaactaa ggctntntga      600
tttacaggat gatgctgtaa aagtcacaac gtancnttg gttgttgaca ncctggagta      660
ggggcaaaaa atnccccncc ttttaanggag gncnaaactt tggttttatn ttggaaaaat      720
ttnggggaca aatttagntt ttttggnaaa caacntttta aaanccctgg cctcacntt      780
tggggggggg tcccgnttaa naaggagccc cccaatcttt taaacngggg ttttnaaaaa      840
ccaggaggtt tggngggccc caaattgaaa gggggncccn ccggaagggg ttcccccttc      900
cngccggggg aacccaaaan ccccnaaagg ggttnaaaaa ngggtttttt gggttnn      957

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<210> 1697
<211> 970
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(970)
<223> n is a, c, g, or t

<400> 1697
ttgganacna tntggagctc caccgcgggtg gcggccgctc tagaactagt ggatcccccg      60

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ggctgcagga aaaattgnaa acnatgnttc atcgaccttc cagccccatc aaacattttca	120
tcatgatgaa atttcgggttc cctcctggga atctgcctaa tcctacaaat cctcacaggc	180
ctattcctag caatacacta cacatccgac acaacaacag cattctcctc tgttacccat	240
atctgccgag acgtgaacta cggctgaatc atccgataca tacacgcaa cggagcttca	300
atgtttttta tctgcttata tatgcacgta ggacgaggct tatattacgg gtcttacct	360
tttctagaaa catgaaatat tggagtaatc cttctgctca cagtaatagc cacagcattt	420
ataggatacg tcctaccatg aggacaaata tcattctgag gagcaacagt catcaccaac	480
ctcttatcag caatcccata catcggcaca aatttagtcg aatgaatctg aggcggattc	540
tcagtanaca aagcaaccct tacccgattc ttcgntttcc attttatcct tccattaatn	600
atcatagcaa tngccatagt ccacctacta ttctccacg aaacagggtt ccaacaaacc	660
caacagggaa tttntttcan acgtanacaa aatccccntt cccccctac tttncctt	720
aagggacatt nttanggggc cttttttact aaattctaag cttttaaaac ctactaagga	780
nctattcgca ccccgacctt cttngggana ccccanataa cttccccccc agccaaatcc	840
aatttaana aacccccctt naaattaaaa cccggagngg aaacnttttt tntttgggat	900
accccaaatt tttacnaaan aattccccca acnaaacttn gggngggngg tcctttntcc	960
cttaaccttt	970

<210> 1698
 <211> 1080
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1080)
 <223> n is a, c, g, or t

<400> 1698	
ttgaanacag ctggagctcc accgcggggg cggccgctct agaactagt gatcccccg	60
gctgcagggtt ttaaatcaag tcaacnactt ttcaaagtaa agagttcaca caactacgnt	120
catgaatttt ttaatcccg tggaaacata taccaggagt gttccagtat actggaatac	180
aggcacacta ccattcatgg tatgaatnct ggggtttaca caaccagttt cgatgcnatc	240
tgctcgtnct atactggngn cnttntnttt ngaantataa tttcnctnctn tgtgangnct	300
tgnnnttgtn cntaccgctt ttgccgatat tttctccgct ctggnatttc cncnnnttng	360
nngngnnnctn tcnctngcag tgtcctttga ntaactgcaa ggntcctnt gtngncnctn	420

cganaacnna acaanntttc gggggggcgn gccccccccc cctctnttct tccccnncn	480
ngnggggncc gnattaaaaa atnccccccc ctcccgctn ctncctntc ttttctnnnc	540
tngccgtcgn ctncagcncca tgnngcattc gncnnncgcn ttntccctn cntgengang	600
ctacnntccg tctntntng tnggcgntgn ttntgtncnn ntntctnct nntctgancn	660
tncnctnna cccccnccgc nctncctc ccgctcncn ttccccnnc cngcctttnc	720
cctctnntt nnttgtcngt tegtcatcct cttncgntn ctctntntc nctgcnct	780
ntntnctgac gnatgcnnc tegtgccnn gncgngcc tcntcgct cncnncnnc	840
tcctcnccg cnngcngn gcnccctc tncacatgn tgcgtcnnn gntcctnttg	900
cgcctcncg nncgtncgg cnggcgcgt gtcgtcgcg ctgccactg cgnacctnt	960
nncnntcc ancgengna nctctttt ttgtcgnnt cngcgcnnc tcntnttg	1020
tagcnncna acngcgtgc gcccgtaant nttgncngn ncgtcgnctn nctnnggcc	1080

<210> 1699
 <211> 959
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(959)
 <223> n is a, c, g, or t

<400> 1699	
ancncnactg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggaattc ggcacgagg tgagantnnn agatgngna ncttggnanc aacntttan	120
gctccggttc attctgnnat cctnaanana tgganntaac tgnctacct tancangct	180
ganagtntct ggannntgct acatgtggtg cncaccccc nangnnntt agaantctt	240
agncattgac ttcttactgt tatagggccn ntacatntaa ganagctgt tnnccgnan	300
aatatntatt tgcanttttg tcacaacaac aaaaaagctc agcggtnctt tcttcatggn	360
ttggagtgtg tggtagcaat gcatcaagct cagctcattt ccaagattcc acatatcttg	420
aaggagatgt atgacgcaga ccttttgagg gaagaggtca tcattagctg gtcggaaaag	480
acctctaaga aatatgtctc aaaagagctt gccaaagaga ttcgtgtcaa agcggaacct	540
tttataaaat ggttgaagga agcagaggaa gaatcttccg gtggtgaaga tgatgatgaa	600
gatgagaata ttgaggtggt gtattcaaag actgcncccc ccccnaaaag ttgaaagctg	660

taaagtctga caaccaaaga tgatgacntt tgatattgga tgnccnttna aagggggggg	720
ggtgccaccc caaccttaaa caannгнаат ngcttgaaaa attntttttt gcatttcattt	780
gggcccaaaa agtgccaacc atggaaatgg ggccaaaaag ccttaaaaaat ngggnttnaa	840
acattnaatg ccttacacnt ttttttaact tnaaaaaaat ggtattggct tggggaaagg	900
gggccctggt ttttttaaaa nccccaacca aagaaaantt tttngggggg gtcccntcc	959

<210> 1700
 <211> 1335
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1335)
 <223> n is a, c, g, or t

<400> 1700	
ntccttnnca tttntttatn nnannnnnttt ntnntcnccc nccnctnttt ttnntnccnc	60
nccccnntn gnccanngnn nnttttattg gtttctatct ttnagccnnt agganngcan	120
acagtggcgg ccgctctaga actagtggat cccccgggct gcaggggtat gatccgcann	180
ngtnactncc aggaggccgc ggccagtgct aaggaggcag gtgaagcggc caaagccagg	240
cgctgtgagc gcggcctgaa gacactggag tcccagctgg ctgctgtgag gaaaggcaaa	300
aagatcagtg aggatgagat cccgcctcca gtggccttgg gcaggaggcc cctggtcccc	360
caggaaacaa ctaacaagag ccctgaagca gaaccccan ctgccccctc cgtggagcca	420
gataaccctt ccnagcctga nacaagcctc ttgggcatcc ctggaatttc tgccccaccc	480
gacntcanac ccggaccacac gggccctgct gctaggcccg gcnnatagag taaaaagtgg	540
ctgctctnaa tgccaagcgt gctggagacc tanaccgtgc ccgagagctt atgaagggtt	600
tgtgaagaga tttgctgctg tccttggang cccttggana antgggncag ccttgtggnc	660
ctnnatngct catgcccccc cntnntccan annnacntg gaagcccctt ctcananggc	720
ttgntccana gccccnnnc tagcncccc tcccgatggc acccctntng nanntngnan	780
cgganatgcn acccacaatn naattgggct cttttntaca atcnccatt canngnccn	840
ggtanggcc cctanngctt gattcacntc cangaacaan tgcgcttggtg taatncccn	900
ntnncannct annantggct tggatccaan antnccacgc cgnatnggcn anngtctcnc	960
cctanngent cntgtnggc aaatttgggn gnnatatatn accnncnata gagccccnn	1020
nnanntncca cncntatnct cntnttttgg nncanntacn tatntaantt caaananann	1080

ggccattttt nctnntcccn cncncatggn nctgtgagan cnnncaaata ntttgacttc 1140
 tnttgaccgc ggngtctanc ctnggtana ctttcctnnn nanatttatt catccnctat 1200
 ntacacnttg gntctnntgg gnagacacnc annncgtnn ggtcttatchn tnganagnnn 1260
 nncnatgtnt gaaatgtgat gntctctnct cttatacang actntctnna cctnncaata 1320
 tacnctctgt ccccc 1335

<210> 1701
 <211> 1027
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1027)
 <223> n is a, c, g, or t

<400> 1701
 aaanctggag ctccccgcgg tggcggccgc tctagaacta gtggatcccc cgggctgcag 60
 ggattncggc accgaggnnc ctgtntngnn ttcncagant tggactnggn cncnggnng 120
 gnnnnatgaa nancgntatt canacttnnn ctgccntag tcaannnact ttataggac 180
 cnaacgtatg ccctaataana anatncttta cnaaccattt aanctgctat tncttgattt 240
 aaaatgggnn cgcaaaancc ngtttgtaac ntgttcttgt gcccagtggc tnanatgacc 300
 agactcccat ncgcctccag nttatacctt acctnccnt anaagagaag accnncngaa 360
 cncnatgatt ttntcttna gactnncgnt ctcnataaag ancnnncnga tattancntn 420
 ttcattgcnc acaaaacaan ctttgnaana nacaaggctt ccacncccc cnccaaatac 480
 taatggngca gncctaacnc tgtgnttttg atgttcncgn ctaccntna angagcgggt 540
 gtngancttc tgtnngcngg gatccaccgc gncatnnaac tggcgggtga ttnattntnt 600
 ttactgccna tcnttccaat gctggaatcc aagctgnnat ncctngattg cnnacaaaat 660
 ggtatnnttg aactccgctc gtttgntttt tcttcattga anggnacccc ntggccttng 720
 ttnggnttgc cccctttgaa nntctcaanc ccgnncttt ntnggttacc cttngggcaa 780
 aggggaaann ggtttccttt ncttcanttg ttcanggnntn tttntannnn ncntggtaacn 840
 ttgttntntc naaaaaccn gnttnncngn ntttctctt aaaaaataaa aaaaacnntn 900
 ntctattntn tgangggntc nccantccct tnaattntnt angnaaaacn ataantntnn 960
 anacntnccn nnaactntcn gtntnnnnnn ntnaaantat tntananaan atttntctnt 1020

nttnttc

1027

<210> 1702
<211> 959
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(959)
<223> n is a, c, g, or t

<400> 1702
caaaagctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
caggggaattt gaggattcct tccatcttca ggcacttaag ctggtctcaa cncctggtcc 120
cggggggggca gggccctcct ttgnnaaggg tttccnagaa nctggangga aagggggacc 180
agncaggnc aatgggggtng nnggccnccn nccccantna aanancanca accngtnanc 240
gtgnnnacca aaggngngnn tttgggaann nttgnntccc anntgnaaan taacngcttc 300
cttccttnc cacnttnaaa ntcannaaac ntgnaagaaa ancatntgcn aattctttcn 360
nggtggaacn gaccggcntg atatatccng acacgaatat gcncnctgtg acnttaaagt 420
aagggcnata tatctttgac angtcccaaa gcacatgcac actctgttna aagtnntgga 480
aaagannttt tctttctact cttgtggaga naattactcn ngaanttana tngggnaagg 540
gnccctngcc ttntccact ctnattttct tatnccccn tccttctgaa atgtgttaac 600
tcatttcacg cnatgggtggg gaaatgcnct ctccacntc attnctttgc cctccncanc 660
aaaatcagng ccnctgatng tcttttttgg gcttccccct ccttangggc cttttcctgc 720
ncangaagnc cccacaccn aacctttttg cttttgtcac tgctgggggt tcaaaattga 780
tngggaccag atcttttgtg cccncncagg aaattttttt ttttttttta naaaaatcct 840
ttanggggga aaaaattcct antgaaacct gnggggcgtn ttntttgcgg tggccaacan 900
naaaantnac annnacncc cccanggagc cntgaaatct tggttccctg naaaaaaan 959

<210> 1703
 <211> 1111
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1111)
 <223> n is a, c, g, or t

<400> 1703
 ttgagcctat atggagntgt attacagggg cggccgctct agaactagtg gatcccccg 60
 gctgcaggnn tccatctgta cntgagccat gatgacctgg nagcgtctgg gggccccggg 120
 aaaggggnag ggttnggcc caaacttggc ttccggggaa ggacncggaa acccttatgg 180
 gganaacatt ggnccatcnt tggactgntt ttgnctttcg ancaagcacc cccaaattcg 240
 gtggnggcaa aantttgggg ncccaggact tccccnngc ntttccangg ntgtgaaaaan 300
 cattgcttgc ccctnntgct gacngcaaat gagcanaagg gccggaatta tcctngacna 360
 ngttnctnna cntgactgng ccacaaccct cggggcattt ttccacctgn cccnttang 420
 aggacaccta tnttgagggt gtatcttggg gcacgaaagn gcagntttcc aanccacatg 480
 nnttttttct aangnccact tgngacaccc ttttgnanag cnaaaaaagt gaaaanggca 540
 cccantccn ncccggtgtg gttnttncgt nggggggaag ggggtnctat tatttnaacg 600
 ngccaangtg gcttttggcc caccctntnt tatttnacaa ngactgtccg caaatngggc 660
 cccaagggg tngcnttggt tccacaactt nacgcccttc nngccccng nntngttacn 720
 cgnngcctaa caccnnaac cccccgaan aannancccc cccccggan anngtnccaa 780
 caattctctt tntgggcngg gttttttacc tntttnttt cggaatnnta accnnancct 840
 ttttacccca aggttttnc nanttnnagg gaanccctaa nggagnaaan aacntcnnc 900
 taanggaagt ttttaccctg gaanntngnn tnggaaaccc ctnttattag gntttttttt 960
 tnccctttcc aaccaataaa ttaanccttt aaaaaagnga gtttacccca aaatanncta 1020
 tntntggaan ccccttgggt cctttatttg gancnccnn aaaaacttta acccctnnn 1080
 nnggatttna atttaatggg cccnnnttn n 1111


```

<210> 1704
<211> 1111
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1111)
<223> n is a, c, g, or t

<400> 1704
ttgagcctat atggagntgt attacagggg cggccgctct agaactagtg gatcccccg 60
gctgcaggnn tccatctgta cntgagccat gatgacctgg nagcgtctgg gggccccggg 120
aaaggggnag ggttnggcc caaacttggc ttccggggaa ggacncggaa acccttatgg 180
gganaacatt ggnccatcnt tggactgntt ttgnctttcg ancaagcacc cccaaattcg 240
gtggnngcaa aantttgggg ncccaggact tccccnngc ntttccangg ntgtgaaan 300
cattgcttgc ccctnntgct gacngcaaat gagcanaagg gccggaatta tcctngacna 360
ngttnctnna cntgactgng ccacaaccct cggggcattt ttccacctgn cccnttang 420
aggacaccta tnttgagggt gtatcttggg gcacgaaagn gcagntttcc aanccacatg 480
nnctttttct aangnccact tgngacaccc ttttgnanag cnaaaaaagt gaaaanggca 540
cccantccn ncccggtgtg gttnttncgt nggggggaag ggggtnctat tatttnaacg 600
ngccaangtg gcttttggcc caccctntnt tatttnacaa ngactgtccg caaatngggc 660
ccccagggg tngcnttggt tccacaactt nacgcccttc nngccccng nntngttacn 720
cgnngcctaa caccnnaac cccccgaan aannancccc cccccggan anngtnccaa 780
caattctctt tntgggcngg gttttttacc tntttnttt cggaatnnta accnnancct 840
ttttaccca aggttttnc nanttnnagg gaanccctaa nggagnaaan aacntcnnc 900
taanggaagt ttttaccctg gaanntngnn tnggaaaccc cttntattag gnttttttt 960
tnccctttcc aaccaataaa ttaanctttt aaaaaagnga gtttacccca aaatanncta 1020
tntntggaan ccccttgggt cctttatttg gancnccnn aaaaacttta accccttnnn 1080
nnggatttna atttaatggg ccccnnttn n 1111

```

<210> 1705

<211> 982

<212> DNA

<213> Bovine

<220>

<221> misc_feature

<222> (1)..(982)

<223> n is a, c, g, or t

<400> 1705

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ancncnatct ggagctccac cncngtggcg gccgctctag aactagtgga tcccccgggc      60
tgcaggaatt cggcacgagg cttnnnnnna ggntancnca anggntngnc ccatggcnag      120
ngcnntgttn nntchanant tnnntnacng ncnaacnann agacnttgct naccntaacn      180
gncnctgnaa ntttnanncc tatcatnatt ngctactanca cagncntaan gnngacgctg      240
acctttcnen ganaangcnc cttnaaaggc atccntnccn cnnngggcca ttttggcctt      300
anatnagggn cnattgnctt ttgatataatt tagttaagnc ccatcnttnc cngaattttt      360
ttcccnttat aacaaataaa gcntccccc cannggggac ctnggcgcct nttgncccn      420
aacnggcttt aaccantaa ccccnntaaa nggccacng ctcnacnct tngncttntg      480
gttttcgga ttnatatnn ccgngncccc anntnttttt anattaanan gggancnana      540
nncatattt tcanancncc ctttnngcgg tngncnttat nacnnnnng ngggnnccca      600
aaaaaanttn taaannanaa angggaannn tantntttt tnnnnccnt nccnaaaaa      660
aaaaaaanaa naaaannctn ngggnggggg gcccananna cnnntnttn ntttaannan      720
ggnnctaca tnnnnnttn nnnnnnnnnn nnnncnnnn nnnntnttn ntncncnnc      780
cntttttnn nnnnanncc cccccntct tntcnnnng ttttttttt tttnnnnccc      840
nnnnnnnnn tntntntnn tnnannnnc nnnnnnttc nnnaaaaaa aaannnnnt      900
nnnnnnnca anntnnnttn cntttttnt cntnnnnnn ntnannnnnn ncnntnttn      960
ccnnnnngnn tngtgngtcc cn                                             982
```

<210> 1706
 <211> 948
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(948)
 <223> n is a, c, g, or t

<400> 1706
 ttggaanaac atntggagct ccaccgcggt ggcgggcgct ctagaactag tggatccccc 60
 gggctgcagg aatccanctc naggnntnnn gttntgccc naggnntgcn acncanncat 120
 gtctatcntg nngctgacgg nctgnnnct ccacatgctn attcncatgc tgcntttttc 180
 ggcnnctttg nacanggcct ggagaactnt nnncggaag gagncnctga atntttgtta 240
 cgaccgaaca tggaatnntg acnnaannc nngncnctgc cttatcanga acnntancng 300
 ntngntgaaa gcagaacacg ncntcatgga gctttncctc atcctgtgct gnetgctctn 360
 ttcatgtaca tgtgtacagt gnttanacca tgcggcgagg agngctatnc tatgccactg 420
 nctnntgcna actttgntcc anggtggcag gtgtttaccg gagcgctnat ntacnccatt 480
 natgcnaaan agattctggc ggacttgccc gtngngnngc attttttnt tactgcttna 540
 ccctgtcctg ggtggccttt cccctcgccc tggacanagg nataatctac cccttntgcn 600
 gaancagaaa tganggctgc cctccctgg gtcccagccg actcccggn ccttcatcta 660
 cccgnaagcc cccacccttc ctnttttnt attttaaac agaaaataaa actgtttaac 720
 ccgccgaaa aaaaaaaaaa aaaaantng gggggggggc ccggncccca attnccctt 780
 aatngnggn tnnnaaaaaa nnnnnnnnnn nnnnnnnnnn nnnntnnnnn nnnnnnnnnn 840
 nnnnnnnnnn nnnngnnnn nnnnnnnnnn nnnnnnnnnn nnnntttnnn nnnnannnnn 900
 nnnnnnnnnn nnnnnnnnn nnnnnccnnn nnnnnnnnnn nnnnnnnn 948

<210> 1707
 <211> 1043
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1043)
 <223> n is a, c, g, or t

<400> 1707
 ttgaacacng ctggagctcc accgcggtgg cggccgctct agaactagt gatccccgg 60

gctgcaggtt ttttttttng angntttcnt ttactttaat ancncacnt tnaccaggnt	120
atcaccatgg aangtaaate cagggttaaac naaaattcac aagtccaaca aagcmtttctg	180
ngatnncca aagttngnnt aangnnngac caaaccagtt ngctcatnaa ngactnccat	240
ngaagggtt ttatttaggn gangatnctt tgggagaaaa taaacntnct gccncntta	300
aaaanggggt tttnattnnc ctttgcntta gcncnnaaaa tncangttcc aaaannnttt	360
taaaatttat tntaatntnn cnnncnccaa aaatttantt ntgcatttnn ctaaanagct	420
aangggggan cccccaagta aangccnctn ntcantgttn nntgactcta aanataaaaa	480
ccctactttc caaagggggg cttntgtntn cnangctttt ttagntttng ggttaaaaaa	540
nncncncn aaactntgcy agggnggggt nnaaaanggg gngnnntecn ncnnncncng	600
gtctttnaaa ggggttnoct ntcaaananc cnnccnacc cctaaaaan nntcntnnc	660
ggccccangn gggccggnaa aaaagntnnc atttacgngg ggggaaaann gnnntcccn	720
ncctttcct caancagcnn cngnttttn ntggnnnccc ggnggggncc cnccttttng	780
nnntnggca nnggngtct ctttttttaa aanacnaatt ntcancnaa angattnca	840
naagggggg ccnggggnccc gcccttnacg ggtntnttta ncaaaggcgc actgnntnct	900
tntnnngtc nggcccagac nctccccngn nangngccct nnttngggn ccatntctcc	960
ncatgccnt nggcccnnnn nccgaaacan ccgntctta aangggggna ncnttttttn	1020
aancancccc gtnccccngt gcc	1043

<210> 1708
 <211> 924
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(924)
 <223> n is a, c, g, or t

<400> 1708	
anaaaaactg gagctccccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggtttggc tttaatatag gaagggccat gggagcccct ggctgaactg aagcctaccc	120
caagcctcca taaccgtct aggatgaggc gcttcctcta ttccagtgat ggatgtgacc	180
gtccagcatc actgactatg ccctagagaa ctgtgctccc agcctacca gggctctcatg	240
gtaaaactct ggatttaatt ttgaagaaat cctaccgccc accagcccta ccctaacacc	300
cagtttcctt ggagatatat agctgggttc taagcttcac caggcaagac gggatggaaa	360

tctgtcact	gagtacaggc	tgtgttgtct	cacccatacc	cgccatgggc	ttcagctcca	420
tttcaagctg	cccagggcat	tccttcatcc	ctgggggtggc	cagcagagta	agagaagggg	480
aggggtagtg	ggtgtgatta	tcttaatatg	caggtgagag	aggggctaga	ggaagatggc	540
cataggacag	cttggagttt	tatcccangc	cagcttgctg	tgggtctggt	aagttgggtc	600
atggctncnc	tgggactgtg	gggaggagag	ggacacagct	ttgaangcgg	tgangaacaa	660
gtcatatgtt	ccagctncgg	gacgttgtgc	tcaaggaatt	tgaaaaccct	tgctatacct	720
aagtctgggt	actacanttt	tttccactnc	ccttttgncc	ctggcttgcc	ttaaccacag	780
ncccaaacc	tttctgtttt	tancctttaa	aaagggaccc	cnggnaagct	taaanccaag	840
gntttccctt	accccttttg	cnctaaagg	cctnttgcaa	ggnccccttg	ggttggggnt	900
aanaccaang	ggcccgggtt	ccag				924

<210> 1709
 <211> 1012
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1012)
 <223> n is a, c, g, or t

<400> 1709	
ncctatctgg	agctncacn cngtggcggc cgctctagaa ctagtggatc ccccgggctg 60
caggaattcg	gcacgaggct tctatcttga cctgcataaa acagccctgg gagggatgtt 120
taaaaaaatt	caaattgcta gctttatacc gagggattgt ctcagtggat ctgggtcttg 180
gttgtggccc	tggaatcacc acttttaaaa acagcatcac aggtgggtca gagagcacag 240
tgggagaggc	tgctctgagg gatgggaaag tgcaattcag tgttgcctgg aggcaagtgg 300
acaccttttg	cctgagattc agaatgggtg gtctcctgcc agatacaatc actgagagtt 360
aggagtaaca	aggatgcatt tagtccagag gattacccaa gctctatgaa aatgtttctc 420
taaattagaa	agtcctcgtg ccttctctga aaaatgaatg tacaggtatc ctgtttacca 480
acaggtgtac	ttaggattaa aaaactagtt tgaaagttgt ttttctttga aaaagcaaaa 540
atttagcact	gtgacttgaa cctctgaatc ttttcatgca cagaaaaccg taagccataa 600
gtaaaaatga	acaaaaagga cagagaggat cataattttg aaaattagtg acagagtacc 660
ccttaccagg	ggccttcaag gattaaggac agaaaagatt ttanaaagaa atgtttcttc 720

ttgagaaang	gagtctcaca	tgccagaact	caaattataa	atgtagtggt	cntatgacca	780
nggggaagat	gcntcttgat	ttcccaaagt	gctccagttt	aaaatacnta	aaatgctggc	840
cttgggactt	aanncccttt	aaaggaagng	aattnctant	tttggagcgg	tatancaaat	900
ttcctccctg	gaattcctct	tccctttcaa	aaaaantgat	ttgntaaaaa	agcncntttt	960
ttccttttta	naactttttt	gnatggcntt	naaaaattaa	aaagnctttt	nn	1012

<210> 1710
 <211> 1016
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1016)
 <223> n is a, c, g, or t

<400> 1710	
annnctggag	ctccaccgcg
gtggcgggcg	ctctagaact
agtggatccc	ccgggctgca
	60
ggctcttttt	tctagtcttc
ttccctgtag	gcagtttttag
gtggagtcag	gggacaggca
	120
gctttctgct	gagggacatg
acacgtccgt	ttccaanaca
gaaagtgggt	ggcagaaggt
	180
gtaaaccctg	aagtcccagt
ccccgaaatc	tcattaccct
caaggtcttc	acagtgatcc
	240
agtgtcctga	accattgcct
gagcaataga	ataactgtgc
ttttgaagta	atgtctgact
	300
ctgaaggcag	cacctgaccg
ctcccccgcg	tgctgggctg
gtcgtgccga	tactctgggc
	360
tcccagttgc	tgcttctcag
atatacctct	tgcccgactg
ccgcctcctc	agtccacctc
	420
atccactcaa	ccatgccccca
cagacatctt	aggtagaggc
aggagaagcc	aaggcgtatg
	480
cacagctgcc	cagtgactgc
gcaaaagaac	tcacactggg
ggctgaggct	ggaaggacac
	540
caagagtcnn	cttttcacca
caggtcacca	gtgtgatgac
aatattccag	gcttgacgtg
	600
ggaagagaca	gccnanctca
gacttaacta	aatgctgagg
gctgtatttt	aacaactggg
	660
cagttctcng	aaggtggntc
acnacttttag	aaaaaggaaa
gcgaccctga	tgtnncctaa
	720
ttaaccacca	tncantaggg
ggangccaaa	tacanccttt
gaattggctt	aaactggagg
	780
aaggcanccc	caggantttt
tnttcttngc	cccancacnt
tttttgattt	cccancaaan
	840
tncctaattt	gaanttttta
aacttcaaaa	aggccnangg
ccttttnggc	tttttnaaaa
	900
natggaaaaa	aaaggggnatt
ttttccccct	ttatngcaan
gcggaagggg	gcnantaacc
	960
cngaannnga	aaaaanaaac
cttcnnacca	ngccccggga
attttccacc	ntttct
	1016

<210> 1711
 <211> 1016
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1016)
 <223> n is a, c, g, or t

<400> 1711
 annnctggag ctccaccgcg gtggcgggcg ctctagaact agtggatccc ccgggctgca 60
 ggctcttttt tctagtcttc ttccctgtag gcagtttttag gtggagtcag gggacaggca 120
 gctttctgct gagggacatg acacgtccgt ttccaanaca gaaagtgggtt ggcagaaggt 180
 gtaaaccctg aagtcccagt ccccgaaatc tcattaccct caaggtcttc acagtgatcc 240
 agtgtcctga accattgcct gagcaataga ataactgtgc ttttgaagta atgtctgact 300
 ctgaaggcag cacctgaccg ctcccccgcg tgctgggctg gtcgtgccga tactctgggc 360
 tcccagttgc tgcttctcag atatacctct tgcccgactg ccgcctcctc agtccacctc 420
 atccactcaa ccatgccccca cagacatctt aggtagaggc aggagaagcc aaggcgtatg 480
 cacagctgcc cagtgactgc gcaaaagaac tcacactggt ggctgaggct ggaaggacac 540
 caagagtcnn cttttcacca caggtcacca gtgtgatgac aatattccag gcttgacgtg 600
 ggaagagaca gccnanctca gacttaacta aatgcggtggg gctgtatttt aacaactggg 660
 cagttctcng aagggtggntc acnacttttag aaaaaggaaa gcgaccctga tgttncctaa 720
 ttaaccacca tncantaggg ggangccaaa tacanccttt gaattggctt aaactggagg 780
 aaggcanccc caggantttt tnttcttngc ccancacnt tttttgattt cccancaaan 840
 tncctaattt gaanttttta aacttcaaaa aggccnangg ccttttnggc ttttnnaaaa 900
 natggaaaaa aaagggnatt ttttcccctt ttatngcaan gcggaaaggg gcnantaacc 960
 ongaanngga aaaaanaaac cttcnaccca ngccccggga attttccacc ntttct 1016

<210> 1712
 <211> 1321
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1321)
 <223> n is a, c, g, or t

<400> 1712
 tttagagncn atangggagn tgtattacag tggcgggccg ctctagaact agtggatccc 60
 ccgggctgca ggaanttcng cncgaggctn ttnnnggtgt ncccanaccn gccntttnc 120
 ttaaacctcn ggaggncccg canngttaan aggggaaatc attaccncca tgagacaggg 180
 gtngnncccn agantcgttn tggggccagn tccacttgga cacctttgta tgnggnanac 240
 acttttttnc antgnaggta nactntaaac ggacttatac ttgncctctn ananaaacta 300
 nggactttcc caaattnaat acnctnactnn gnactccnac aaactctatt gancagncaa 360
 tgnatgannc tnaacgantt cataanagat ganagaacca nngcaccctt tnngnngaatt 420
 cnttnntggt ntncacagaa anctnnctna ttnnnactnt catctatngn naacctncna 480
 gtgtgcgctc ggganttgta gtcnnccan atacnnnat nngtgcttcc aggaaaancc 540
 tntgncnct nnatcttntc ctntanata aancaactc tngccctcc ttctnanaa 600
 anattaatct tnattcacct gcccttaaaa ntcttngnc ngatnccnag atgcnntttg 660
 acttggtttt tgtngaanga nananannnc ttnantttctg gctnccaccc gccccnatt 720
 gnnttnnnna agnaaantcc acnttcantt tatanacctt cttgaanctt gatacntcg 780
 atcaatnctn tttgtggcgt tgggggcaat cnattntccc tntttccnt tntcttaca 840
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 caggngnngg cnccaattgt cncnntgnag tnttcttnac ctctgggtcca anattcnant 960
 tgtancgatn tttgtancca accnattttt ntctccanaa ncttatcnc ataactgtaa 1020
 ttntttncnn tggatgncgt cnnnggtttt nactcttta anaaanantc nncennatag 1080
 atnngtnnct agcggaantc ntctntttt cttctnncaa tnnntattat aacgttctta 1140
 ntnaacnatin cncnttctan tattctttaa tggcgnttat naanttgnt nttggttcnc 1200
 cnngtcnttc tnttgncagn tncgnggac tcnccctcc tnttcnnat atntttaatc 1260
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 c 1321

<210> 1713
 <211> 1321
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1321)
 <223> n is a, c, g, or t

<400> 1713
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 ttaaacctcn ggaggncccg canngttaan aggggaaatc attaccncca tgagacaggg 180
 gtngnncccn agantcgttn tggggccagn tccacttgga cacctttgta tgnggnanac 240
 acttttttnc antgnaggta nactntaaac ggacttatac ttgncctctn ananaaacta 300
 nggactttcc caaattnaat acncnactnn gnactccnac aaactctatt gancagncaa 360
 tgnatgannc tnaacgantt cataanagat ganagaacca nngcaccctt tnngnngaatt 420
 cnttnntggt ntncacagaa anctnnctna ttnnnactnt catctatngn naacctncna 480
 gtgtgcgctc ggganttgta gtcnnccan atacnnnat nngtgctttc aggaaaancc 540
 tntgncnct nnatcttntc ctctanata aancaacntc tngccctcc ttctnanaa 600
 anattaatct tnattcacct gcccttaaaa ntcttngnc ngatnccnag atgcnntttg 660
 acttggtttt tgtngaanga nananannnc ttnantttctg gctnccacc gccccnatt 720
 gnnttnnnna agnaaantcc acnttcantt tatanacctt cttgaanttt gatacntcg 780
 atcaatnctn tttgtggcgt tgggggcaat cnattntccc tntttccnt tntcttaca 840
 attttaactt tntnnnnant cctcgcgann ccnctanant ttnttttagtg nnnnacttta 900
 caggngnngg cnccaattgt cncnntgnag tnttcttnac ctctgggtcca anattcnant 960
 tgtancgatn tttgtancca accnattttt ntctccanaa ncttatcnc atacttgtaa 1020
 ttntttncnn tggatgncgt cnnnngtttt nactcttta anaaanantc nncnntag 1080
 atnngtnnct agcggaantc ntctntttt cttctnncaa tnnntattat aacgttctta 1140
 ntnaacnatn cncnttctan tattctttaa tggcgnttat naanttgnt nttggttcnc 1200
 cnngtcnttc tnttgncagn tncgnnggac tcnccctcc tnttcnnat atntttaate 1260
 ttaatnttnn nttttgcnag nnntgcgttn ttatnncatc tcctctgtng nnacacncc 1320
 c 1321

<210> 1714
 <211> 1321
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1321)
 <223> n is a, c, g, or t

<400> 1714
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 ccgggctgca ggaanttcng cncgaggctn ttnnnggtgt ncccanaccn gccntttnc 120
 ttaaacctcn ggaggncccg canngttaan aggggaaatc attaccncca tgagacaggg 180
 gtngnncccn agantcgttn tggggccagn tccacttgga cacctttgta tgnggnanac 240
 acttttttnc antgnaggta nactntaaac ggacttatac ttgnctcttn ananaaacta 300
 nggactttcc caaattnaat acnctnactnn gnactccnac aaactctatt gancagncaa 360
 tgnatgannc tnaacgantt cataanagat ganagaacca nngcaccctt tnngnngaatt 420
 cnttnntggt ntncacagaa anctnnctna ttnnnactnt catctatngn naacctncna 480
 gtgtgcgctc ggganttgta gtcnncccan atacnnnat nngtgctttc agggaaaancc 540
 tntgncnct nnatcttntc ctntanata aancaactc tngccctcc ttctnanaa 600
 anattaatct tnattcacct gcccttaaaa ntctttngnc ngatnccnag atgcnntttg 660
 acttggtttt tgtngaanga nananannnc ttnantttctg gctnccacc gcccccnatt 720
 gnnttnnnna agnaaantcc acnttcantt tatanacctt cttgaanctt gataccntcg 780
 atcaatnctn tttgtggcgt tgggggcaat cnattntccc tntttccnt tntcttaca 840
 attttaactt tntnnnnant cctcgcgann ccnctanant ttnttttagtg nnnnacttta 900
 caggngnngg cnccaattgt cncnntgnag tnttcttnac ctctggtcca anattcnant 960
 tgtancgatn tttgtancca accnattttt ntctccanaa ncttattcnc atacttgtaa 1020
 ttntttncnn tggatgncgt cnnnggtttt nactcttta anaaanantc nncennatag 1080
 atnngtnnct agcggaantc ntctntttt cttctnncaa tnnntattat aacgttctta 1140
 ntnaacnatn cncnttctan tattctttaa tggcgnttat naanttgnt nttggttcnc 1200
 cnngtcnttc tnttgncagn tncgnnggac tcnnccctcc tnttcennat atntttaatc 1260
 ttaatnttnn nttttgcnag nnntgcgttn ttatnccatc tcctctgtng nnacacncc 1320
 c 1321

<210> 1715
<211> 916
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(916)
<223> n is a, c, g, or t

<400> 1715
anacagttgg agctccccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60
aggaattcgg cacgaggatg gtgaagtcca nggncatact gagagtattg ccatataaat 120
atttcaccat agattgagga ttgacctaa ggttctctgt ggagcactct ttttcagtga 180
ctcaactctg aacttcaaat tctgagatct gatgaaacat atagttctcc aacttgaaat 240
ctgttttctg tctacatgga aaacaagcta tatctacaca aatggaagct tattaattaa 300
gtgcactggg gtcgtaaact ggctccatct cagacaagtt gactcctttc caaaagaaag 360
aagctaaaca gaaaactacc ccttatgcag agatgaccag cctctatcag ccctcggaca 420
tttgatatgtg tctggagggt cctggggatc actagttttt taattcagaa gaagcagaac 480
acatcagcag ggttcctctt accttactaa tgaataaact gaggcccaaa gcacctgatt 540
acaacttttg gtaactttca aatatgctgg taagtggaat tttgaaaaag aaaaacaaaa 600
tcaacatgac tgcagtggcg agatccgcaa actccatggg gggttcagaat tattgnacag 660
atgccccaaa cttatccttg ggtcttaagt taggcaaact catgaacaag atatatgcat 720
ctacatacat ttatctaact tgncaggcta taaganagac tggcaactta aatgnataca 780
tccttctatt ggcanccttt ggggtcagcn tttcttcntt aaaggttttt ttttaanttt 840
anttttcctt ttnaaaaaat ntenttttta ccttccttac ttggggggcc tttctaaata 900
aaccttttnt tttcaa 916

<210> 1716
<211> 991
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(991)
<223> n is a, c, g, or t

<400> 1716
tnnnnccnn ctggagctcc acccgcgng gcggccgctc tagaactagn ggatcccccg 60

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ggctgnaggn tttttttttn gnnngggnca ttnactttaa nancnotaca tttcccangt 120
tatccccang gaangtaa at tcaggtaga cgaganttca cangtccanc aaagcnttct 180
gngatatncc aaagttnngtn taangtctga ccaanccagc tngctcatca angacttcca 240
tngnagggat tttatttagt ngangatnct ttggganaaa ataancatnc ngcccacatt 300
taaaaanggt ttttcatttn cttttgcntt ancacttaaa atncatgttt caaaataatt 360
taaaattatt ctaatntanc agcagcaaaa tataattctg canttntctaa anagctaaaa 420
ggganccnca agttaagttn ctctcatgtt tatgattcta aaataaatnc tacttcaaag 480
nggctctgtt accagctttt tagtttttgt ttaaaaacnc nncagactt gcaggagggt 540
ttataanggg ggattccatg cncgtgtctg gaaagggttc ctcaagagcc canccngccc 600
ttaaaacagt nctcagtcn caaggccgnc anaaaggtag cattaacctg gggnaaaata 660
ggattcctac ctttccttca aaagcctttg gatnttctgg cagcaactgg ggnnctttt 720
ccaggatggc cttggtgncc ttnttttaaa antaaatttt cacnanaaan aatttaanaa 780
aggggggncc ggnccccct tttcaagnn gnttttnaaa agggggccctg gttnttttt 840
gggggcnggg cccggncccc cccgggaang ggccccacc ttgggggacc cattncccc 900
cntnaacctt ggggccccn cgccaaaaa naaacccctc cnaaaaaagg ggggncccca 960
tttttcaaaa aatccccag gttntttggg g 991

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<210> 1717
<211> 899
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(899)
<223> n is a, c, g, or t

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<400> 1717
ancaacagct ggagctccac cgcggtggcg gccgctctag aactagtga tccccgggc 60
tgcaggtttc tacccattgc ctgcggtcat ttctttatct gagctctttg gtttgatgtc 120
acctttgacc cagaaacaga gatatcccct gatatttttt tcttcatatt tctctttctt 180
tccttagccc gtaggttttg tcagttttga cagtcgctca gaagcagaag ctgccaagaa 240
tgctttgaat gtaagtaga atgatgttca tcttcgaggg tttccgtatg aggtgaagg 300
aaagtaatcg agtctctttg gacaggaaa ccaatggaag ggatgtgact acttgatcta 360
agaggaacgg actctaatta gccgcataaa gagattttgc ctaaaattgt ggtagatgt 420

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gcagactatt aaataacact ttgctcgtct ctagccctta ctgtaatgct caagataacc	480
tgatgctggg gattttatatt taattcagcc caatcacatc ccatgggtggg tatgcagttt	540
acttcagccc ccattatatt ctcagtggct aaccccaagt caagaataga tcaaaatctt	600
ggctttcctt aacacgtgan ggttttaact tatgtggctt ttaagggctt ccctggctgn	660
cccnttgggtg aagactctgg gttnccaatg cacangcacg agtccatnc ctagtcaggg	720
ctgnctaaaa atatattttt naaaagnatg tgacttttaa aaaaaaggtg gaggccttta	780
ttctggattg gatttaaaaa ttgcatactt ggnttcccca gtaaaccattc cgcanttggg	840
ggggcataaa naaaggattt cctttttcca aggcccgaaa ggggaaaaag nggaaaggg	899

<210> 1718
 <211> 1504
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1504)
 <223> n is a, c, g, or t

<400> 1718	
ngnntnnchna tncctattat taaaannnna gtttcennnc nccctttttc tncnatcctt	60
tnnncenttn ntncennnc ntngggnggn tnttnnttgg ngactatctt gaagncctat	120
nggnncgcac acngtggcgg ccgctctana actagtggtc cccccgggct gcnggcnatt	180
cngccacgag gcaatgnctt cagnncncn ncnntccttt nttgtattnn ggncaatnat	240
tntgacnatg gntcacatna tncganatnc atnactnttg tcccntntag nntttttnc	300
nnttcctan nttntnngt nantcaatnn gntnttctn cnnngatcnn ntngtccnt	360
tctttnnntn nnnncannnt ntncattttc tttgnttttc nntttnnat ncntggngnt	420
tangtactcc ctagangntt tnnncnnngt nggnnttngt tngntcttnn antctttnc	480
gnttnttnn atantatnac ngnnnagaat cncnatnaac ctntnnact nnttntntt	540
ctaangacna ntgctnnttc ttttnnctnn nttcnntnn gtcnnntggg nttttgtnt	600
tnacttttgt tngnncttac agnnttntnt gnnntgngna tcgtctcatn ngtttantnn	660
annttcnctt tgttggngtt cnnttntngt ntcgnantnt ancntanatn ancttntng	720
cctatnaaa nnagcttcan nncnttantn nactnctgan nnnataatnc gaagatcnn	780
nancaattnt tttntnctnt ttengacggn tatttntcnc nngcnntnt gcaanctnn	840

tnatngncag accccnattt nttcnantnt angnncgtgn nngnaggant cantanctnn	900
gnnnntgcnt ntaattannt ttctcanntg nanaatatgc tntcnttctn cnnnanatan	960
ncnnntancn ancngttgnc aaacnntttc ttttatnnnc tntcnttcgt nnaannntnn	1020
gattcacnnt natgtntanc tnnnttgtgn ngcnnttant anttactata tctgggaaan	1080
natantntgn ctagtntnta gntanagcan tttcnntnecg tattatcntt tccnctcca	1140
nnntntntna tntnatgnga atncntnta tncgtncntc ntntnttact tnatngtcta	1200
taanantntt tntatncttc ttnacttat atattnatct cnnnactgtg tnantctgag	1260
ntganatcga taatactach actttatatn ntttagntnt antgngncgc agtgtntgag	1320
nnanatanagt gtgtgaatgt tatctgtatn ttgttanaca atancngtat attaacttat	1380
ntcgncgtn tacngtcgct ntcgngnacg tnatgagnt cgtganntna ttncganat	1440
nttagatntg nganttnaga nactgtttc gentcgcgcg ctnggattga ntatntntn	1500
tncc	1504

<210> 1719
 <211> 983
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(983)
 <223> n is a, c, g, or t

<400> 1719	
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gccgntgtcg cctcctcca gtcgccatca tgatcatcta ccgggacctc attagccatg	180
acgagatgtt ctccgacatc tacaagatcc gggaggctgc ggacgggctg tgtctggagg	240
tggaggggaa gatggtcagt aggacagagg gtaacatcga tgactcgctc attgggtgga	300
aatgcctccg ctgaangccc cgagggcgaa ggnnccgaaa gcacagtaat cantggtgtc	360
gatattgtca tgaaccatta cttgnangaa accncttca caaaagannc ctacaagaag	420
tacatcaaag attacatgaa gtcaatcaga gggaatcttg aanaacagan accagaaaga	480
gtntncttt tatgacnggg gctgcanaac aaatcaagca cattcttgct aattaaaaaa	540
actatcagtt ctttattggn gaaaacattg aatncagatg gnatgggtgc tctgctggac	600
taccngagg gatggccna ccccatatat gattttctnt anggatgggt taanagangg	660

aaaaatgtaa cnaggntggc tnttctttgg atcnatccct gtcancataa ctggggttggg	720
tntctggtttt cttcccnccn caccntngaa ttaaacagat gggactggan gncatctnna	780
ncttttttnt ttggnttgaa acgttnatta attgggagcg gngngttttt ttttttgaaa	840
aaaacngggg ttnggggggt ggntaaaaaa taaaaccctt tttaaactcn aaaaaaaaaa	900
aaaaaaaaaa anttnggggg gggggccccc nccccattt nnnctttnnn nnggnannnn	960
nnntnnaann nnnnnnnnnn nnc	983

<210> 1720
 <211> 1361
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1361)
 <223> n is a, c, g, or t

<400> 1720	
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tggagctgnc actnacantg gcaggccgct cctannacta gatggcttcc cccnggtct	120
ggcangtaag tngntnannc nggtntttnn ggtagaantc ntnccatcng gagnaccacn	180
ncccgnngn gnnaagtctn ngcnccnntt ntgnttcnn cngnagnnt ngttgaggng	240
cgtgnnngcg ccantannan ngnnnnngnn cggnggccnn nnagnngnt ntgngngttn	300
atnnngnnag ancggngggn naggnaannt cannnnanng ncctgttnnn gagccngng	360
gnattntntc nctagngcn agntncngng ttgacttgnn nttntntnn ngatncccc	420
gncncgcggn cnnnnntct nnnccanng anctggnnnn cgnncaccnn aattcnnngn	480
tntngtcggn nngntcngtg natntgtag tntnantnnn cggtnntnnn ggnangnctn	540
ngnnatgngt ggntnnngnt nnganngtcc gnntancggn tggnnncngng ngnggggccc	600
ntnannngn cnannnnncn acnnntnana angnnnatct ngcnantna nannnnngc	660
naancganan nntntannn nngnntttnn caanggtng tnnntgtnc gngccttgng	720
gnnnnnnccn ntntttatcn nnnncnctaa nnatcntgnn ntgtntncta nngntngng	780
nngtgcntgc cnntttctn cnntgtcng tngtacncag gctgngngcn agnnnnnnn	840
ngcnnctnna ngatctgtag ncancncang cnattncggn nantcatacn tncatcttna	900
ctacctggtt nagnncnctn caagtctaca tntgnntggn acaatccnct gtntcanggn	960

cgaggcgctt nacttacna agtttnnagt agnntcnant cangaggacg antgcnttac	1020
nnactcnncg cncngccgna nctncanncn gcancnagtn ntgtnttatt annngtnttn	1080
gcnagantnn ganancacng nantngngtt gtncgcgcnc tcnnacnncn ctgccncanc	1140
cgannacgnc gnnngncnng gtgtccnggt gancnnatac nnnaganana gntcnctncn	1200
gannnannga atanntcagc agtgcaccan tngcatgncg cgcanatana cncgactncg	1260
ntcngtgcca cnantgtntn atnanagnnc gatcgcgtn cgcgccgcng anactcnctn	1320
tgnntttntg ntatncgan canatncang cncncgcgcc c	1361

<210> 1721

<211> 979

<212> DNA

<213> Bovine

<220>

<221> misc_feature

<222> (1)..(979)

<223> n is a, c, g, or t

<400> 1721

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ggctggangn antnnggcac gaggcagaag ttgtgggagt tancagaaaa aaaggtgncc	120
agcccacaaa acataaagng ntcactatgt gagccttcan anagngtca ctgatccntg	180
ctctaaatgg gcctcattct ggggctcgag ctgaccaagc ggatatcacc tanggnnggg	240
ctgntcattt anggaaatga aaaagtagga caagncactt acaggccctt taagcactct	300
cactggccag ggcaganccc atggccaccc caagcccagg gagtgtgatc cttccgcgtg	360
ccttggaaga gaagcagaga tatttggaag acgatactac caactaacac atagctgtat	420
ttctctctct ctacaaaatt tcttttgaaa gtatTTTTTc tttttaattg cggngaaatt	480
taccttcagt naaatgcaaa gacttagtgc acaccttgta gatntttatg tgcaccctan	540
aacccatcaa ccanatcaag aactgaacg ctttcacacc ctggtcactg ccncgcctat	600
gcacaccgc agcctgccac aaataaccac tggctctgac cgttatcacc agaagatatg	660
gttggtttta aagcttcattg taaaaaaatt ctggggactc ttgctcaaca ttgnatctgg	720
ngaagtnatc catggtgggg atcaatttat taaatanctc ncttgtaggg gtccctggcat	780
ggngacttaa aaaccacngg tttttggaat cccttcctac tgggtggngg gaaanttttg	840
ggtttgnnt ccaancttgn tagttggttn tnnaaataaa aggtnccttc cnnaccnnt	900
nnnnnnnnnn nnnnnnnnnn naaannncnt nggggggggg gggnggggnc cnccaaaann	960

nccccccata ttngggggg

979

<210> 1722

<211> 979

<212> DNA

<213> Bovine

<220>

<221> misc_feature

<222> (1)..(979)

<223> n is a, c, g, or t

<400> 1722

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ggctggangn antnnggcac gaggcagaag ttgtgggagt tancagaaaa aaaggtgncc	120
agcccaaaaa acataaagng ntcactatgt gagccttcac anagnntca ctgatccntg	180
ctctaaatgg gcctcattct ggggctcgag ctgaccaagc ggatatcacc tangngggg	240
ctgntcattt anggaaatga aaaagtagga caagncactt acaggccctt taagcactct	300
cactggccag ggcaganccc atggccaccc caagcccagg gagtgtgatc cttccgcgtg	360
ccttggaaga gaagcagaga tatttggaag acgatactac caactaacac atagctgtat	420
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taccttcagt naaatgcaaa gacttagtgc acaccttgta gatntttatg tgcaccctan	540
aacccatcaa ccanatcaag aactgaacg ctttcacacc ctggtcactg ccncgcctat	600
gcacaccgcg agcctgccac aaataaccac tggctctgac cgttatcacc agaagatatg	660
gttggtttta aagcttcatg taaaaaaatt ctggggactc ttgctcaaca ttgnatctgg	720
ngaagtnatc catggtgggg atcaatttat taaatanctc ncttgtaggg gtcttgcat	780
ggngacttaa aaaccacngg tttttggaat cccttcctac tgggtggngg gaaanttttg	840
ggtttgnnt ccaancttgn tagttggttn tnnaaataaa aggtnccttc cnnaccnnt	900
nnnnnnnnnn nnnnnnnnnn naaannnnt nggggggggg gggngggngc cnccaaaann	960
nccccccata ttngggggg	979

<210> 1723
 <211> 996
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(996)
 <223> n is a, c, g, or t

<400> 1723
 ttnancncta tctggagctn caccncngtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga attcggcncg aggnccgtnt cgtatngcct nnnnnngatn nntgcagggn 120
 antnnnnntt nacctnaagg anaanncctg nctccganag aanctgcaag gcggnccttc 180
 cgnggttngt ccnctgttna tttnactang aaaaccccan aacnngaaan tgcttngccn 240
 gccgggccnn tncnnttttt tngngctntg aaccaataa anntaaatnt nngtnnaacn 300
 naagntntgt tcancngntt taattcctnn gtcaagnan tncgnttgan naaaaaancag 360
 cnttaaaaat atcngngata anaacaattt gagggcnatt cctntttntg necagnnggg 420
 antgtanttt nggngtncan nctttgtctn gggntagggc cgaaaccttn tgtnttnnnc 480
 ccctgggntt tccnancctg aaaaaangaa ttncggggg gnnccctncc cncnaagcc 540
 cnnntnnttt tgtntgtttt annggaagac ctttttcann tttttaaac ccnccnggg 600
 gccaancttc ttctcntng gggcccancc cnacnttgn atttntttt gggnaaaaaa 660
 anaancgcng gnaanntgtg cttttttnt ntgccccgag atttncnttt nataaacnc 720
 ctggggntta aaannaccct nggcnccntn tntttttttt nanaannatn agnggaaan 780
 gggggnnnaa aaaaacaccc acaccantt tttttgnatg ggggggtttt ttgggggggn 840
 tntctccaaa aaanaaaana ttttngngc ggctnttttt tagaaaacnn caaccatctt 900
 ttttttttga agaagggggg nnaanaanna ggccctncnn caantttttt ttnntgggg 960
 gggnccccc ccncccca ctatttttnt tgggtt 996

<210> 1724
<211> 911
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(911)
<223> n is a, c, g, or t

<400> 1724
ttnnnncnnc tggagctccc cgcggtggcg gccgctctag aactagtgga tcccccgggc 60
tgcaggaatt cggcacgagg ctgacgagta tctttcacat gattaaccaa aaaatgcatt 120
actgcctttg gcacactgca aagcaatcaa ataatccatt tatttgagaa taaaaaccta 180
aattttaaaa aatacatata ttttcaaaac gattaagaaa ttatccagca gtattctagt 240
ctgatttata tacataatac taacctgtct tgaatattct ttctgacaat aagaaaatat 300
gatttgatga gtcgttcaat aacttcacag tctcgctgtt cacgggcaga tagttttcgt 360
gcaacaggaa ctggctaaat tgggtgaggg gagaacaaat ttaccgttgt gccattttga 420
aatgacaaca cgtaacagta cgtttttgag ataccagttc cttctgtctt ttaaaatgct 480
ttcttggtaa cttggttctt tgtcctcaat cattctacag cttaccaaat tctacagctt 540
accacatcca gcaaattcac agcgtggcct ttttgtggac tggctggcat aattggaatt 600
ggttttgatt tttcctcagc tagtaactcc tcagcttttg gaagttttca gcattcctct 660
ccagttgnct ggtggtggnt cttggaacag catntncaac cccaccacct tcagatgcag 720
cctgaaataa catgttccaa acctgtacca accatatcaa ctggcattat ctaaacaagg 780
ttantttttt ggtangcgtc aaggaaaaac cctctaatac catntggagn ttaatctatt 840
aaaaaaagcc nggtcaaaaa naaatgggga ctgggcttgt cactggaac cctggacttg 900
cttaaaaaaa a 911

<210> 1725
<211> 1034
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1034)
<223> n is a, c, g, or t

<400> 1725
ttnnancnct atctggagct ccaccgcggt ggcgccgct ctagaactag tggatcccc 60

gggctgcagg aattcggcac gaggnccgtg ttntgcntcn aannctgcta cgctancncg	120
gtnaangctc agnaantgga nntgntatgg tgaacgctac tgacntcttt tctgtctccc	180
gttggcgcnt nttgataact nattctgacc cagtgactgg gccagntcaa tgcgaaccat	240
ttnttttatt atgcgnnant ggatgngnnn cggggntcaa agcctttatg agaanttcta	300
ccgttctnng ctnnangcna agggaggagt aaattttntt tttgcagctg gaccngnnnn	360
tcttggncaa nccacgctcc atctggtttg aagactattn aaattggcnn ttcttgaagn	420
tnngctcgaa gnaangggga tggngatacc caacttcnga angcggcttt ggnnttgga	480
ananagann ccccttntn nngagaaggc ctnttttnaa tnccgatna ggcagaaaaa	540
cttnatttgg atggttgggn atggttnnna cttttgtccn ttganctgga nnttgatga	600
cctttctaag aacaaaaggc ncagggttaan ttntgcnna atttncattc cntgaaacc	660
ngaaaggnaa ctttttaatt ntgtgctggc caaanatcca aaaaanttnc ttttnaaann	720
aattanaagg ggggganttt naccggngg ggtttttaa antggtnagc caattnttt	780
ttttntttt gnaaantaat ttttcccc gganaaattt tttgnggggc ggggcnnngg	840
gaccctttn tttcnnaa acnttttnnc ttnnaaaana atttttttt tnaaaagggg	900
ccttttttt tcnntttnc ccncccaan anggggaaaa naaattntc ccctttttt	960
tngccncccg ggncangnct anccccngg aaaaangggg ggccattnt ttttantnt	1020
cacnnntttt ttgt	1034

<210> 1726
 <211> 946
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(946)
 <223> n is a, c, g, or t

<400> 1726	
ttnaaaaaag ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atccccggg	60
ctgcaggaat tcggcacgag ggcacactgg cggaaacgga ggctcgcttc ggagcccagc	120
tggcgagat ccaggcgctg atcagtggta tcgaagccca gctgagtac gtgcgagctg	180
acaccgagcg gcagaaccag gactaccaac acctcatgga catcangacc cggctggagc	240
anganattgc cacctacna aacctgctgg agggccagga tgctacttc aacgacctgt	300
cactcgcgaa ggccctctga gtctggcggc ctctggctt tcccgtctg ctgcagaagg	360

aattctcctg ggtaagaggc atgggagggg agggaccctt acccttgcct ctccccctga	420
cctgccaaata aaactttatg gcccaaagga aaaaaannat tntgnaanng ntntnnanan	480
nnnnnnntnn nnatnnnatn nnnnnnnnnn nnnnnnnanan nnnannaaaa aatngggggg	540
ggggggggccc ccccatntn cttanaggg gngggnnnna aaaannnnnn nnnnnnnnnn	600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnn	946

<210> 1727
 <211> 1014
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1014)
 <223> n is a, c, g, or t

<400> 1727	
aaanctggac tccaccgcgg tggcggccgc tctagaacta gtggatcccc cgggctgcag	60
gaattcggca cgaggcaagg acttcactgc caccttcggc cccttgga caactcaatac	120
gcgcctcttc ctgcagggac ccaagattgc agaggagttt gaggtggagc tggagcgagg	180
caagacgctg cacatcaaag ccttggccat aagtgcctc aaccgggcgg gccagaggca	240
ggtcttcttc gagctcaacg gacagctgcg gtccatcctg gtcaaggaca ccaggccat	300
gaaggagatg cacttcacc ccaaggccct gaaggacgtc aagggccaga ttggggcacc	360
catgcccggg aaggtgatag acatcaagggt ggcagcaggg gccaaaggta ccaagggccca	420
accctgtgt gtgctcagcg ccatgaagat ggagactgta gtgacctcgc ccgtggaggg	480
cactgtccgc aaggtccacg tgactaagga catgacgctg gaggtgacg acctcatcct	540
ggagatcgag tgaccacgct gagactggca gcctgacat ccccgcccct gccttcagga	600
cactgtgctg cagggcaggc ccaggccggc cagtgccga ggccaggaag gccttgggcc	660
tgcagctnct gtccgcggct ttttacggca ngacagactg gcttgtggcg gtccatttcc	720

ccaccttccc acccatntg tncntttcct tgcggtcgac aagtcgcttc acgtttttca	780
ttcttctctgg ccaaataaaa ggtccccttc ctttgcttgg aaaacttgca agtgggacct	840
ggggccccgt ggggaaccan acctaggggg tgctacctcc tgcaggggaa naacctgagg	900
gcccaggttg naaaaacttt gttcaataaa aaatgggttt ccccnccctt caaaaaaaaa	960
aaaaaaaaaa aanntggggg gggggccccg gcccccttt tcccttttan aann	1014

<210> 1728
 <211> 1038
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1038)
 <223> n is a, c, g, or t

<400> 1728	
gccnatnngg agctgcacn cngtggcggc cgctctagaa ctagtggatc ccccgggctg	60
cagggnntagt tttttagggg gataaatacc acccaaaacc caagctgcct gcagctcttc	120
ctccgtgggc atctctcctt cgcttaggta actgaacctg cattttccac ctaaacaag	180
acatgccatt tcctatagct gctcagcagg ctgagtttat ttcagaccct tcctcanagg	240
aacaaaggcc ggagacacag ggctgcctgt cactcatttc tttttgttat tgnngcatcc	300
ccaccctgc cccagcaaa actcacgcat caaaaaaaaa aaaanngttt ntntntntnt	360
ngtnttnna ntttttcnng gnncnnggtt ngcnaanttt tгнаaccng gggganaaat	420
naccnaant ttngcttttt ggangncccg ggccaactnc ccccncaang ggaangnccc	480
aaaaaggggt tnnttttaaa ncttntnttt tngacncnn ggnnaggnat ttgtnnncaa	540
ancttttttt atatnnnttt ttngaaaaa aanttttttn ngggcccttt ttttactcc	600
gggnnggna nncnnngna nnaggntttt naanaaccgg gggggggncc ttctttttnt	660
ttngaangg nnggggaaa aancnnacc cgntaaantn gattttttng ggcccctana	720
ttttccccg cgngggnaa ccntagtn gannggggn gatnccngn ccnatnttn	780
ntanctnng gggnnataa aancnntncn ggngnnaag gaaaaaaaa nttccccntt	840
acccgggggc ccgggggntt tnntccttn ncaaanggn tttnttttn ntnnttccn	900
cccccccnt tanaaaaaaaa aaatnttnna agtggngggg ggnngnggcc cantctnctn	960
tnataaaaaa anaaaaaanc cctcccnnc nngtgcccn ggggaanntn gtttctccca	1020
anccctaaa aaaanagg	1038

<210> 1729
 <211> 1353
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1353)
 <223> n is a, c, g, or t

<400> 1729
 tncccnatga agnggncncn nntnacnnan ncgctngctt naactncttt nangcccnca 60
 tannggagtn cgcattacag tggctngtcc gncctanaa cttgtgcgan nccccnnggn 120
 ctgcnanenn tcnggntgct ctngtcatng aanantgnca ngncctctgc gctnngnnc 180
 ctcnntnnna tnttacnttg cgggnetctt tgtgtcctnt acgntnntnt tntgangngn 240
 tcncccnttg aanntngnnt ctggcntagg tntngntnag nntttntntn tttctctngn 300
 ncangcnnncn cncnnnaga tatttncccg nnannnttat ntaggnaggc ccnaaatgtc 360
 cnttctctnt tatgganctt ntntccanan gnntntacna aattnttnan ntntngnccn 420
 aacnattcct ncagatnnt ntnggnatt tntcttgann tctatcnnan nnttgtcnc 480
 nttntctann annaccnccn cngnctccct ttnatnctgg nagegcccac annaaanngt 540
 gcatttggtta tntnccctnn aggcactttg gnaatctntn cggntttntn tnnngtacnn 600
 nngatggtgn ttctncnnag ntctnnatna nnnannanct ngcnnnanc tganccntnt 660
 ttntgnttng cnatntana agnannncaa ttntnaatta catnnnccta aagnngccct 720
 ncttnncagc naccntcat nnttttanc nncggnetc cccgtctcgt ttcattnctt 780
 tnttannnt nntnnnnta aataatngtt tcttnattnc tncnngcnn aagnancgnc 840
 acntntcttn cacctnnntt nncnncntnc ncngnattcn tnnncnnnc nntcnntnct 900
 cngtntatnc ccngacag caanancnat tgcantctgn nttcnccac gcgctcttaa 960
 ccnactacnn cncnnngnn tcttctntn nntagcann nncnanagn canngcnaca 1020
 cctttantta ntcngttaa nncnngnttn tgetgntcan cngngngnc ctntgtatca 1080
 ncnntgcgng ctncctnnan canccctngn cannaattnc gtgnanntac tnaattcanc 1140
 tcatctnnac agtctctct gnttgntntc anntatntn nantggngac ntgggcnccg 1200
 ntentnceca ctnatngnn gtgtcnnatc tcntntntac ctnnncntg tctncntttg 1260
 ttntgcatt ntanaaact ctgnntcgtt ancnncnt nctactatgc tntcatctct 1320
 ntgtttcng nnatnatnnc tctttctnt ncg 1353

<210> 1730
 <211> 1263
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1263)
 <223> n is a, c, g, or t

<400> 1730
 tttagagncct nnaggggang tcgtaattnc nntggagnac ngctctagaa ctangtggat 60
 cccccgggct gcaggnaatg gnggcacgag gcaatatng tgagcntcta cnttangacn 120
 atgngtnchna agcgggnnna tnccttantg tgntcnactt ttncagatnc natacnennn 180
 cagggcntna ctngtnccng attgctccta natnggnacn taancncggc nctacnanac 240
 ncncttatcc tagnnacnc accntagaca cngtngnntn nnntannht angnnnnnac 300
 ngacacncng tgaggctcct gnnnagttna cncncctnc tcttanaann anttcttnc 360
 ctgnacaann nncagnaatc nttntngttn aaannnagta gcnntcnna tnttctnaat 420
 ctctttctnc ttgctntang actnaaaaaa nccnnnagnt tnaanacna nacagnnacn 480
 annngcttt tntanagann canntncgc gacntgtang ntntgnaaa tngncganaa 540
 attncnngnc gncangcacn actntttnnn ttttctant cccggtnaaa tntttaacnt 600
 ttnncnctc actnactcn tcacttncn ancactcna gtanngncaa ncgncntct 660
 tgntncnenn acttatant tcnannnann aacantntnc ntctacantn ntntctngtc 720
 tgnnatncat acgcnagnn ncacttngg cngtctant atnnacctnt cgncccncta 780
 ganngtnenc gatncnaanc atnanttna tcgtggtant cnnnatcnn ncaaattnnn 840
 nngntnccc ntgncctcnn nagttctcn nntnnatnnn nacnangtcn angtnncntt 900
 actacnngtn nnanagttga nantcnanan gnnncancgt ngcgtctcg tanaatggnc 960
 nnnntaattc ncntnactan gtcnnangct ctccgngtac ngcnatacat gtacanttnn 1020
 ntcnngnna gcggncennn nntntactct cctnactann nnnangttan cncnangta 1080
 caacncgtn gacnttntn nangtatgaa gannntgtn ttannannnc gtggatnctc 1140
 nangattatn cctantcaan tagntctncn cncanganc canaatnnnn acncancag 1200
 tatgtcannn cnnntgtacg ancaggnnc naccgtngn ntntcncag tngctntcat 1260
 ncg 1263

<210> 1731
 <211> 1263
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1263)
 <223> n is a, c, g, or t

<400> 1731
 tttagagncct nnaggggang tcgtaattnc nntggagnac ngctctagaa ctangtggat 60
 cccccgggct gcaggnaatg gnggcacgag gcaatatng tgagcntcta cnttangacn 120
 atngntncna agcgggnna tnccttantg tgntcnactt ttncagatnc natacnennn 180
 cagggcntna ctngtncng attgctcta natnggnacn taancncggc nctacnanac 240
 ncncttattc tagnnacnc acctagaca cngtngntn nntannnt angnnnnac 300
 ngacacncng tgaggctct gnnnagtna cncncctnc tcttanaann anttcttnc 360
 ctgnacaann nncagnaatc nttntngttn aaannnagta gcnntcnna tnttctnaat 420
 ctctttctc ttgctntang actnaaaaaa nccnnnagnt tnaanacna nacagnnacn 480
 annngcttt tntanagann canntncgc gacntgtang ntntgnaaa tngncganaa 540
 attncnngnc gncangcacn actntttnnn ttttctant cccggtnaaa tntttaacnt 600
 ttnncnctc actnactcn tcaactnnn ancnaactna gtanngncaa ncgncntct 660
 tgntncnncn acttatant tcnannann aacantntnc ntctacantn ntntctngtc 720
 tgnnatncat acgcagngn ncatctnnng cngtctant atnnacctnt cgnccncta 780
 ganngtncnc gatncnaanc atnanttna tcgtggtant cnnnnatcn ncaaattnnn 840
 nngntnccc ntgntctcn nnagttctcn nntnnatnn nacnangtcn angtnncntt 900
 actacnngtn nnanagttga nantcnanan gnnncancgt ngcgtctcg tanaatggnc 960
 nnnntaattc ncnctnactan gtcnnangct ctccgngtac ngcnatacat gtacanttnn 1020
 ntcnngnna gcggncnnt nntntactct cctnactann nnnangttan cncnangta 1080
 caacncgtn gacnttntn nangtatgaa gannntgtn ttannannnc gtggatnctc 1140
 nangattatn cctantcaan tagntctcn cncanganc canaatnnnn acncancag 1200
 tatgtcannn cnnntgtacg ancaggnnc naccgtnn ntntncacg tngctntcat 1260
 ncg 1263

<210> 1732
 <211> 982
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(982)
 <223> n is a, c, g, or t

<400> 1732
 tnnagcncna tcnggagctn caccncngtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga attcggcacg aggtgactat tctcaaccaa ccataaagat attggtaccc 120
 tttatctact atttggggct tgggccggtg tagtaggaac agctntaagc cttctaattc 180
 gcgctgaatt aggccaaccc gganctctgc tcggagacna ccaaattctac aacgtagttg 240
 tanccgcncn cncattngna ataatcttnt tcatagtaat nccaatcnta atgggaggat 300
 ncggtaneng acttgtnccc ctaataatng gggctcccgga tatagcattt cccnaataa 360
 ataataaag cttcngactc ctccctcctt nattctact actcctngca tcctctatag 420
 ttgaagctgg ggcaggaaca ggctgaaccg tgnccctcc cttagcaggc aacctagccc 480
 atgcnggagc ttcagtanat ctaaccattt tctntttaca cttagnagga gtttcctcan 540
 ttttaggagc catcantctt ctttacaaca nttatcaaca taaggccccc cggaggggna 600
 caataccaaa cccctttgtt cgtaagancc ggaaanaatt accgggcgga ntanaantac 660
 ttttcgctcc cgtggaatna gcagnccggg catccacaag tgntttttta caagcccggg 720
 aaccctaaaa naccaccctt ttttccaccc cggggngnga nggaggaaan ccctnttttt 780
 tattatcaac ccntttnttn ttgaattntt ttgggncccc cccggaaggn nttttttttt 840
 taaatcccn cccngggggg nnngnaaaaa atttttttta ttttgggggn ccctcccttc 900
 ctgggggaaa aaaaaaaaaa ccctttccgg attttttggg gaaanagggn gggggcctaa 960
 aaagggcaaa accgggtttt nt 982

<210> 1733
 <211> 972
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(972)
 <223> n is a, c, g, or t

<400> 1733
 ttanancna tctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga attcgnnacg aggcnnancn ataccgtnga cntcnngggg gggccccgna 120
 cccaantnnn cctatagtgn nncntattnc angnccngnn nacnnngctt nnncnncagg 180
 gtntgtctnn ccanttggnn cnagannacn tgngcattgc agctcaggac tnnacngggt 240
 nngaaggtna catnngnatn attnaccttt aaaatnanc ntgcncatcat ggctntgttt 300
 ntnttggtcn ttgccccatn tgatgancac tnttangtgn ntnaccttgn acctgatcan 360
 tgctnccnc tnnatnaatgc nttgcttctt nacanngac agnacttaca acattntnta 420
 actggntcna cccgnntnan tnanaaaaga actngtgnta accattttan aaatccangt 480
 caccnnncta ttnagngat nnatgtgtat nnggaaanga tcnntacatt atcaantgat 540
 nagaagccct gtntnncaat gnacattnta cntnatnttt taatatgnng tacnataaaa 600
 ttttaacatt tggcggacnt tgactgcttt gttaatgatt tgcngggggg nnnnngcacn 660
 ccttttgng gggngnncg ggggccnaa ttnngccttt tntggggggn cntnaaaan 720
 nnnnnnnnnn nnnnngngg nnnncncnnn aannnaannt nnnccaaann tnggggnaa 780
 nccccnccc ntttttggn nnnnnnnnnn ncnnnnnnt ntnttttnnn nnnnnnnnnn 840
 nnnnnnnnc nnnnttccn nnnntntng gnnncnnann nnnnnnnnnn nnnnnncnn 900
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngn nnnnttnnnn nnnnngnnnn nnnnnnnntn 960
 nnttnnnnnn nc 972

<210> 1734
 <211> 990
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(990)
 <223> n is a, c, g, or t

<400> 1734
 ttnnnncnta tctggagctn caccncngtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga attcggcacg aggcncnnna atncntntnn tagntgtntg ganncacang 120
 ccggnccctnn atatcngttc accanactgt gantcatnaa cacnaagctt tctncctagg 180
 tttntaatg gcnatttcga attagannag nctgtggntt gaactgcang actacagagg 240
 ttngaaaaat cacagtnacn tnancccccn agaagngcat cccccctctc ntgnctcaag 300
 tctgnctngg ctgttcgccc natcggtgaa cacttttaag gttctgnctt tgcncctggg 360
 tcaactgntac ccctcnccta aatnattaac cctcctgaga gctcacagnt actcgttgat 420
 atntatacct ggnttnacca aattgaatga aaangganct tgtgcaaana atttaanaaa 480
 ccgntntcac nacgtnttgt aagagatcnc tgtaatnggg aaangtcctt tactttatca 540
 attatgtaag gcttttctat atcgaatggg ccttnntnca natcattcat atggnganca 600
 naaaatttta aaattaangg gacttgactg nttttgtnaa ngatttccan nnaaaaaaaaa 660
 aaaaancntt gggggggggg ggccgggncc cccattncc ccnntntng ggggngcnn 720
 naannannnn nnnagggggg gggggggggg tttnttncc ccnaaaaaan gcnttttncc 780
 cccccccncc ccnnnnncnn ttttttnaaa ancnnnnann annccctttt ttnnntncnn 840
 ttnggaaaat cccccgnnnn nnnannntt ttnnnntngg ggaaantcnn nnggggggna 900
 aaaannnngn tcttttnncn cgtntnnan nnnngggggg ggccccnnn naaannnnng 960
 gggggggggg nccccctcen tggncccntc 990

<210> 1735
 <211> 946
 <212> DNA
 <213> Bovine

 <220>
 <221> misc_feature
 <222> (1)..(946)
 <223> n is a, c, g, or t

 <400> 1735
 ancaanagct ggagctccac cgcggtggcg gccgctctag aactagtgga tccccgggc 60
 tgcaggaatt cggcacgagg ggtggctgga gatggtagtg gagaggggag tgtgggtttt 120
 ggagtcgagc agacaagtat aaaccctcat cctcttgta ctcgtagctg ctccctgttg 180
 ttgtaaagat taatgacatc atgtgaagca ccagcacacc atcatcataa caacaatata 240
 taactttatt tagccctata gtgagtcgta ttacannnnn nnnnnnnnnn nnntnnnnnn 300
 nttnnaannn nncnnnnngn tggnnngttn nnnnntnncn nnnnnnnngn nnannnnnnn 360
 ncnntgnnnn natntntnan cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncn 420
 nnnanncnnn annnnnnnnn nnnnnnnnnn nttnnnntnn nnnnnnnnnn nttnnnnnnn 480
 nnnnnnnnt nntnnnnnnn nntnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntnnn nnnnnnnnnn nnnnnnnnnn 600
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntn 720
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
 nnnnnnnnnn nnnnnnnnnn nnnnnnnntn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
 nnnnnnnnan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnann nnnnnnnnnn 900
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntc 946

<210> 1736
 <211> 978
 <212> DNA
 <213> Bovine

 <220>
 <221> misc_feature
 <222> (1)..(978)
 <223> n is a, c, g, or t

 <400> 1736
 aaagctggag ctccaccgcg gtggcgggcg ctctagaact agtggatccc ccgggctgca 60

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ggaattcggc acgaggcttg aagatcagcc gccatcatga acgacacagt aactatccgg      120
actaggaagt tcatgaccaa ccgactgctt cagcggaaac aaatggtcat cgatgttctt      180
caccttggaaggcaacagt acctaaaaca gaaattcggg aaaaactggc caaatgtac      240
aagaccacac cagatgtcat ctttgtatctt gggttcagaa cgcatcttgg tggcggcaag      300
acaactggct ttggcatgat ttacgattcc ttggattacg cgaagaagaa tgagcccaaa      360
cacaggcttg cgagacatgg cctatatgag aagaaaaaga cctcacgaaa acagcggaag      420
gaacgcaaga acagaatgaa gaaagtcagg gggactgcaa aggccaacgt tggcgtggc      480
aaaaagtgag ctggagattg gacaacagaa ggagtaaaga ttctgcagtg actgtatctg      540
tggcgtattgt gcagattttt catgaaagag agaataaaact aagacctttt acaaaaaaaaaa      600
aaaaaaaaaa cctngngggg gggcngntc ccnatttccc cttatagnga gntcgnntn      660
nnnnnnnnnn nnnnnntnn nnnnnnnnnn nnnnnntnn nnnnnnnnnn nnnnnnnnnn      720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntntnn nnnnnnnnnn      780
nnnnnncnnn nnnnnnnnnn nnntnnnnnn nnnnnnnnnn nnnnnnnnnn nnntnnnnnn      840
nnnnnnnnnn nnnntnnnnn nnnnnnnnnn nnnnncnnnn nnnnnnnnnc ncntntnnnn      900
nntnnnnnnn tnnnnnnncn nnnnnnnnnn ncnnnnnnnn nnnnnnnnnn nnnnnnnnt      960
tnnnnnncng nncnnncn                                     978

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<210> 1737
<211> 1675
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(1675)
<223> n is a, c, g, or t

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```

<400> 1737
gcncgnntc cnnntactt ttatntant attattattt nttctacant tnntacnct      60
nnaatntcaa ntnanntct acntntntt cttcngttgg cgtncggtta tntggccttc      120
ncctttgann cctatatgga gtcgtattac agtggcggac nntntatcaa ctagggggga      180
tccctcngg ctttcacnat ttctntntat nnnnnntcnn ttaccacca taancccnng      240
nccccnttan nanccttcng gctnttgant cacctttaat ttcatcctcc ntnaanacta      300
nttaactaag ncctnncgn ttncngngc ttaantnctt nntnttctt ccttcctc      360
ntnccnantn tgacactntn nntngncca gncntntcan tnntantctt nttatncaca      420

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cnegcnnnnc tnttgcnngt ntnantctat ntnagnacnn tcacnnntnc ntctntctgt 480
catttttctn cnnnatnnta ctnttntatn ncactncaca tctgtatcnn cnntctncnn 540
ttatttncca gacgntacna tttnctcnan tatttttgng ctcctnnnt natngatcnt 600
atntttttan ntgnctgacn ccctnagacn gtnnatatna cttnattttn ttnnnntttn 660
ctnncantca nnnngatac tcgtatcnca ttgtnnaccn ntctnnnac tgtanncatt 720
tnnctanttn ngntttanan nanatnnctn tnccagatga ccttttattt tcnattctct 780
ctncatttcc agnntccna natcattatt agncnactan nantcntcca tannaatnct 840
nttattttac ttgactctct ttanncgat anttnccntn ctannntctt tttanaccac 900
tcctntgnen cnatnancct tttnaacnta ctncctgctg tcttcaent gentctnccn 960
tngnccntat ttnattttgc nntnanccn nntcctnact tcnngtcata cnactngact 1020
cgnatctacc nnttcctatg actcnnnann aggntatcnt cntatgtntn tntgatnctt 1080
cgtaattcnn tcggntnnct nctnnctnct tntttnttt gtantgnnnn tttcnttctn 1140
cnacgtacgt ccatcnnntc ngtnnctttn tngnnncnat gtnnnctn ngacnnacna 1200
antactcncg tgtcntnacn catcgatctc tctcacatat ncttaccnata ganaanttat 1260
antcnncttt gttagtcann tatcatntct nnnccnnann nttnattncn ctcttagctn 1320
tnnactaagc gngannncnt anatangtn tatctcatna acnccctancg tatattngct 1380
ctctccgtna ctccaactcn tctaattncg gctnnctcnn cgacanactt atgctctatc 1440
cattcctcac antaancatn tgtatcntat cnangngtgc nacgacnana nannattgnc 1500
tgtntntntc atcnacgcac gctctnctnc ctacgntngt tnacgntctn natcaancctc 1560
ncctancnt ntccnntct ctacttatgn gatcctncnc gatttanccn cncctgtgtg 1620
atgcnagnct cttngtgat anatacgnnc cctctnatcc nctatncgat ntccg 1675

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<210> 1738
<211> 1472
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(1472)
<223> n is a, c, g, or t

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```

<400> 1738
ctcgacngnn gcggggtngg ccnggtganc ngctcntgac nccctntnca gccctcatag 60

```

tggagtnegt	attacatnnn	aggncgatcc	ctcnggctgc	gtntcccnca	ngcccnnnnc	120
tccctnnggn	gntgcnnntnn	ctatnttttt	tcnctntcnn	nnctctncaen	ttctcnannc	180
gccttgncnn	nttgngnnnn	catncanath	tttttncgct	ntcgtncnan	cgctcgncng	240
tatnggncgt	agngnnnccg	gggngngggc	cgntccannc	cccgttatn	ncntngggan	300
nccacccnnc	cgtnccnncc	ctatatccnc	nncngtnct	ttttgtnccg	ncccgngngn	360
cngtgtnnn	ctctntntnn	ccnccnctg	cngtnnctnc	ntntccnttt	nttttncnct	420
nnntntncna	cgcatgntnn	ncgtccgenn	gtccctctnn	nnngnnnctt	ntnnntnctn	480
tcnntntttt	ctacgtantt	ggtcgaggnc	gnnnnnncca	ctccntgctg	ttncctnggn	540
gnggangngc	cnggcttctn	tcctgtnttn	tcnctcnnc	ctncgtctga	nccnngnttt	600
nnctncnac	tgtnggttta	gngccggcnn	gcgntgtan	ntncaencc	tncccttatn	660
ntgcgnggc	ncntcgatnn	attnnctttc	annctntca	tccccacaan	cnnntgntnt	720
cncnacnnnc	tctntccnt	atccnctcac	tnctcnatg	gggnnnnttc	cctnttcncc	780
nnntntntat	cttctantct	ttccctatnt	cccgtnnnnc	ctccnennat	ntnnccgcgc	840
atngntcnct	cgtgnnttac	atcnncnct	ctgggtgctc	cntcnganga	tnctttaacn	900
cttctnctg	gntcgncnnc	ntncttnca	tnntntacng	ccgntcgnc	gnnattnact	960
gngntccgc	nggncnattn	ntnctttca	tccttnnnat	ttcttantnc	ntntacnnnc	1020
gtggtcgtn	taatcagcta	nccctcaang	tgncctctnt	ctcnntnnnn	tncgntgctc	1080
tnngcnncnt	catatgnnt	ntntntnnn	ntcgantnct	cncacnttcg	tnctngcttc	1140
cgcgngtnn	gagcgacntt	cgttgntcng	tncccccnc	cngttcnntc	ctgangngng	1200
tgncnennnt	gtntncttnc	tttctctncg	tatnttctn	ntcgncacnn	ctcgngngcg	1260
nagcganagn	actgncgtn	anactagtc	nnctgngca	actgangnac	ngcgtnatag	1320
tcntatgcc	gcgntngng	nacatctntc	tgnnctntnn	cnnatntggn	nnngctnnna	1380
ngtntnacat	ctcgctcgan	ntntcactn	cgacgcgcgg	tcgctgctcc	gacncatnt	1440
ctgtntnaa	nggntnnntc	nanctnnnca	cg			1472

<210> 1739
<211> 936
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(936)
<223> n is a, c, g, or t

<400> 1739
gcctatnngg agctgcaccn cngtggcggc ccgctctaga actagtggat cccccgggct 60
gnaggaattc ggcacgaggc agagttgtgg agttacagaa aaaagtngtc cagcccacaa 120
aacataangt ggttnactat gtgnaccctt naaaaagggc cantggnncn ngnccttnaan 180
gggcennant ntgggggntg ancnnccna ncnganntna ncaaggggg ggntggtnat 240
ttaaggaaat gaaaaagnan gacnagncac ttacngggccc ttaancnct ntnactggnc 300
nnggcnnann ccatggncac cccaagccca nggagtgtga nccttncgcg tgccttggaa 360
gagaancna gatatttga agacgatact acccctaaca catatgctgt gttttctctc 420
tctacanaat ttttttgaaa agattttttc tttttaattg cgggngaaaa ttaccttcag 480
taaaatgcgn agacntaagt gencacntg tnnattttat gtgcncccta taccntcnc 540
ccaatcaaga cactggacgc tttcacaccc tgggtgactgt nccgctatgc acacncgcag 600
cctggnacaa ataacactgg tgttgancgt gttaacaaga gatatgtttg gtnttaaanc 660
ctcattgtaa aaaatactgg ggactcttgc tcacaattgt tctgggaggt attcntngtg 720
gggatcattt attaatccc ccttgngggg tctggcatgg ngacttaaaa cacngcttat 780
gaanacnttc ctactggtng gngggaaatt tgggggtggg ngccancttg tnngttggtt 840
ttnaataaag nncctcnaa ccncnnnnn nnnnnnnnnn nnnaaaaacc cngggggggg 900
gggggggggg ccnntntt tnnctttaan nnnngg 936

<210> 1740
<211> 936
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(936)
<223> n is a, c, g, or t

<400> 1740
gcctatnngg agctgcaccn cngtggcggc ccgctctaga actagtggat cccccgggct 60

gnaggaattc ggcacgaggc agagttgtgg agttacagaa aaaagtngtc cagcccacaa	120
aacataangt ggtnactat gtgnaccctt naaaaagggt cantggnnn ngncttnaan	180
gggccnnant ntggggntg ancnncna ncnganntna ncnaagggg ggntggtnat	240
ttaaggaaat gaaaaagnan gacnagncac ttacnggcc tttaancnct ntnactggnc	300
nnggcnnann ccatggncac cccaagccca nggagtgtga nccttncgcg tgccttgga	360
gagaancna gatatttga agacgatact acccctaaca catatgctgt gttttctctc	420
tctacanaat ttttttgaag agatttttctc tttttaattg cggnggaaaa ttaccttcag	480
taaaatgcgn agacntaagt gcnaccntg tnnattttat gtgcncccta taccntcnc	540
ccaatcaaga cactggagcg tttcacacc tggtgactgt nccgctatgc acacncgcag	600
cctggnacaa ataactgg tgttgancgt gttacaaga gatatgttg gntttaanc	660
ctcattgtaa aaaatactgg ggactcttgc tcacaattgt tctgggaggt attcntngt	720
gggatcattt attaataccc ccttngggg tctggcatgg ngacttaaaa cacngcttat	780
gaanacnttc ctactggtng gngggaaatt tgggggtgg ngccanctg tnngttggt	840
ttnaataaag nncctcnaa ccncnnnnn nnnnnnnnn nnnaaaaacc cngggggggg	900
gggggggggg ccnntntt tnnctttaan nnnngg	936

<210> 1741
 <211> 953
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(953)
 <223> n is a, c, g, or t

<400> 1741	
ttnnanaaaa gctggagctc caccgcggtg gcgccgctc tagaactagt ggatcccccg	60
ggctgcaggc aggatcaagc gattcctggc caagaaacaa aagcagaatc gtcccattcc	120
tcaatggatt cgaatgaaaa ctggcaataa aatcaggtnc aactccaaga gaagacattg	180
gagaanaacc aagctgggtc tataanaagc angctgggtc tatganaagn ggncttanca	240
tgtanaccac ttttttngc agccagatca caatgaaanc atcactactg taangctngg	300
cccatgatgt tatttcctca ctatcagnct gagacccanc attaantata aancgtngca	360
aaaaaaaaaa aaaaaacntg ggggggggcc cggncccaa tccccctta tngggngtcg	420
ataanaannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	480

nnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn	540
nnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn	600
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nnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn	780
nnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn	840
nnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn	900
nnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnn	953

<210> 1742
 <211> 956
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(956)
 <223> n is a, c, g, or t

<400> 1742	
anantcggag ctccaccgcg gtggcgcccc gctctagaac tagtggatcc ccgggctgca	60
ggntttaaat caagtcaacc cttttcaaag taaagagttc acacaactac tttcatgaat	120
tttttaatcc cgttggaac atataccagg agtgttccag tatactggaa tacaggcaca	180
ctaccattca tggatgaat tctggggttt acacaaccag ttttgatgca atctgctcag	240
taatataatt tgtcattttt attagaaata taatttcttc atgtgatgtc atgaaattgt	300
acatactgca gtgtgaattt ttttgttttg ttttttaatc tttagtgttt acttcctgca	360
gtgactttga ataaatgaag gaaaaaatc aaaaaaaaaa aaaaaaanac ncnggggggg	420
ccccggaccc aaatcncncc naangggngg cntnnanaan nnacaagggtg cggcacctgg	480
agcacanaac aaggttcttg anaccaaatg gacctnctgc acacanaaga ctgcccggac	540
aacataacaa catggtttga naactncatt aacaaccttc ngtnngnagn tggaaactct	600
ggcccangaa aaacttaaac ttggaaagtg gnncttggca acnnnccagg ggctgggggg	660
aggacttcna gaccangnt tnnnggnnnn aaatccnaaa nccccanac ntngganaaa	720
tgaantttnn nttcntnna aaaagggttn nggntnaaac ttncntnna ccaaggnnna	780
acntggnnnc cccccnngn aangggnttn nntnnnnaaa aaanaaantt tttncagggn	840

nanntntttt naaaaaaann aaaanccnng nnnnaanncn nnnntaaaaa tttttnnacc 900
 cnnnccgggg gncctnnnc nntggnnnaa aaaanccnnn nnncttggg ncnngg 956

<210> 1743
 <211> 1032
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1032)
 <223> n is a, c, g, or t

<400> 1743
 gcctatctgg agctncacn cngnggcggc cgctctagaa ctagtggatc ccccgggctg 60
 cagganttcg nnnocnggggt tcacttttnc tagtaacnng gncacaccat taggtttcat 120
 gtatcacatt taaccangnc aggnnacatn tncatgggn cgntccagct tactnggatt 180
 acaggcaenc taccattcat ggcattagtc ctgnnttact ancaaccagc ttnnntgcat 240
 gcctgcagc catatntttg cngccttatg ataaccaaag cntagccttg tcaatgggat 300
 gncttgaaat tgnncannct gntnccgtga ntgtntttcg tttnnanttt gancttggtt 360
 acagaataac tcacctgcat ggncctntna ctanactnac tganagaaan cttgagaaan 420
 ataacctttc tntcgggggg gntccccct gcctctaaat ccttttaatg gcnaccgtcc 480
 ccctcaggcn caccntggng acctgtgaca naggatTTTT caaaattacn cccctcctnt 540
 gtcccaggcc ccanactttt tccaagggaac aacagcaaac caaaantgcc atncaaagg 600
 ccancancct ttttgcccc attttccac tttgccattg gggngcaagt ttgccttttg 660
 ccaaaccnca aagtnggagg gaantnggaa atgggaccaa ctttttacna tgggantaaa 720
 aacggttttt tntaacnaaa nanaaccct tccccaaag ggggggnttt ntngggnggg 780
 ggccctttnt ttttttcacn ggnaaanang gganagggtt ttttttttt ntncctccct 840
 tttggaggcc tttntttttt ttnntttta cccctncaa aanaattncc ctttcaaggg 900
 gcccaaacct aaagggtaaa acaaacctcc ngttttgggn cccctttgga aaaaanccng 960
 gggaagggcc cccctnang ggggtttttt ttttttcag ggctttttt tggaaagggg 1020
 ccccagga at 1032

<210> 1744
 <211> 979
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(979)
 <223> n is a, c, g, or t

<400> 1744
 ancaannctg gagctccccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggaattcg gcacgaggct gagaagccan atnctaagga gaaaaaacct gaagccaaga 120
 aggctgatgc tggcangaag gctaaaaagg tgganaaggt gaagaaagtn nanaagggga 180
 agccccactg cagccganat cctgtcctgg ncagagggaat tggcagatat tcccgatcag 240
 ccatgtactc cagaaaggcc ttgtacaaga gaaagtnttc agctgctaaa tccaaggctc 300
 aaaagaaaaa gaaggttcgn gttcttgcta ctgtcacaaa accatttggt ggagacaaga 360
 atgggtgtac ccgagtggtc aaacttcgca aaatgcctag gtattaccct actgaagatg 420
 tgccctgaaa actgttgagt catggcaaaa aacccttcag taagcatgtg aggaagctgc 480
 gtgccagcat cactcctggg accatcctga tcatcctcac tgggccgcca caaaaggcaa 540
 gaaggttgnt ttctgaagc agcttgggca gtgggctttg ctactttgtg aacttggggc 600
 tnttttcct caatcgaagt ttctttttgn gtanaaacac acccaaaaan tttgtcattt 660
 gncnnctcc cnccaaaaat cgatattcag ngggngtgaa aaatncccaa aacattttca 720
 cttgacnctt tacntttaan aaaaaaaaaa agcttttggt naancccan accccccggg 780
 nggggcgana antctttccn cccccggngg nggnggggna aattnccgag aatnccccnn 840
 nccccnccg aangntcca atanaaaaaa agcttttngg accttccna aaattttttg 900
 ggnaaaaaaa anaaaaaaag gtttgncct ttaaaatttc caanggggt taacctttcg 960
 ggttnccng ngntttggn 979